# SDG FA46136

10/03/2018 003021

Page 1 of 2

CAPE ENVIRONMENTAL MANAGEMENT INC
404 E. Ramsey, Suite 206
SAN ANTONIO, TX 78216

CHAIN-OF-CUSTODY RECORD

(If no box checked use routine)

Routine
Urgent

EMERGENCY

		SAN AN	TONIO, TX	78216			#	2 coole	15			Urgei			
Chain of Custod	Number		Project Mana Mike Bowlby Project Name				Krishna Na	ect Manager avala Name (Print)	`. '		Laboratory SGS Accutest Laboratory Contr	act Numb	er		_
CAPE			Corrective Ac		Bliss		Seth Moore								
ERPIMS Y	es No _	×	Site(s) Oro Gr	ande Landfi	11		(b) (6)				ANALYSES REQ	UESTED			
Sample Number LNNNNNNN	Station Number LLNNNLLNNN	Sample Type (E-21) See VVL	Sample Matrix (E-17) See VVL	Sample Method (E-23) See VVL	Begin Depth NN.N	End Depth NN.N	Date dd mmm yy NN LLL NN	Time 24 HR NNNN	Field Lot Number NNNL	Nu mbe r of Con tain. N	Asbeshs Lew CRR SREAC CREAC PBOBJ PCG BROIS GRO	ICLP FULL V80156RO	V&260TCLP		
TO30GL-WC-T	B02	TB-I	WO	ΝA	NΑ	NA	07/25/17	0600	0014	4		X	X	<u> </u>	İ
TO30GL-WCO	•	N-1	50	55	75	9.0	07/25/17	0750	000A	6	$\times \times \times \times$		$\times$	T	Γ
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To30GL-WC		W-1	50	<i>SS</i>	6-0		07/25/17		000 A	6	$\times$		$\times$		Ţ
TO30GL-WCG		N-1	50	55	45		07/05/17			6	$\times \times \times \times$		$\times$		Γ
TO30GL-WC		W-1	SO	<i>SS</i>	75	12-0	07/25/17	1010	000A	6	XXXX	- X	×		T
T030GL-WC		W-1	SO	SS	7,-5	100	07/25/17	1030	000A	6	XXXX		Χ.		Γ
7030GL-WC	10	N-1	50	55	41-5	2:5	07/25/17	1050	000A	6	$\times \times \times \times$	X	$\overline{\lambda}$		Γ
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Kennquisned by	(Signature)		Date/Time	(b) (6)		)		7-26-17			TORY USE ONLY				_
<del> </del>	¥			, , ,			ŀ	9115			OF SAMPLES UPO	N RECEI	PT		_
Relinquished By	(Signature)		Date/Time			)		Date/Time	CHAIN C	F CUS	STODY Y N	ICE			_
									REQUES			TEMP			
Sample Shipped UPS FED-EX OTHER	Via (circle one):  AIRBORNE	BUS H	AND	Waybill Nu	mber:				CUSTOD SAMPLE			pН			_
REMARKS (Not 1) 2) Run the MATRI	ses): X SPIKE / MATI	RIX SPIKE	DUPLICATE o	n:											_

2.2/3.8/2.1

FA46136: Chain of Custody Page 1 of 3



FA46136 20F2

CAPE ENVIRONMENTAL MANAGEMENT INC 404 E. Ramsey, Suite 206 SAN ANTONIO, TX 78216

# CHAIN-OF-CUSTODY RECORD

(If no box checked use routine)
Routine ☐Urgent
☐EMERGENCY

	SAN AN	TONIO, TX	78216				×	\$ 2 co	ders	:				Urge EMI	ent ERGE	NCY		
Chain of Custody Number		Project Mana Mike Bowlby	ger (Print)			CAPE Pro Krishna Na	ect Manager avala	(Print)			orato Accu							
Contractor CAPE		Project Name Corrective Ac		Bliss		Sampler's I Seth Moore	Name (Print) head			Lab	orato	гу Со	ntrac	t Num	ber			
ERPIMS Yes No_	×	Site(s) Oro Gi	ande Landfi	11		(b) (6)				ANA	LYS	ES R	EQUI	ESTEI	)			
Sample Station Number Number LNNNNNNN LLNNNLLNNN	Sample Type (E-21) See VVL	Sample Matrix (E-17) See VVL	Sample Method (E-23) See VVL	Begin Depth NN.N	End Depth NN.N	Date dd mmm yy NN LLL NN	Time 24 HR NNNN	Field Lot Number NNNL	Nu mbe r of Con tain. N	Ashestos	2 1 C	P8082 PCF, B 8015 GRD	TCLP FILL	VROIS GRD	VB260TCLP			
TO30GL-WCII	N-1	20	ઈ ક	<b>8</b> ()	12-0	07/25/17	11:25	000A	6	X	X	<u>~  </u>	X	X	V-			$^{\dagger}$
1030GL-WC2	11/~1	50	55	10:-0		07/25/17		COO A	6	X	X	X	X	X	X			T
7030GL-We 13	111-1	50	SS	6,-0		07/05/17				X	$\times$	X	×	X	7			T
to30GL- WC14	N-T	50	<u> 55</u>	45	10-,5	67/25/17	1415	OSOA	6	X	7	X	æ	X	X			T
to30GL- wcis	N-1	చ్0	SS	6 0	12.0	07/25/19	1440	1200/A		$\mathbf{x}'$	XS	X	K	X	\\ \tag{\chi}			T
T030GL-WC16	N-1	රිර	รร	4,-5	9,-0	07/25/17	1520	000A	6	X	X	X	$\sim$	X	$\lambda$			Ţ
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(b) (6)		Date/Time	Received By	y (Signatur	re)	<u> </u>	Date/Time	PROTO	COL (c	scle o	ne)							
		07/25/17 1830	· F	1	_			HAZWR		ZA C		R					-	Ξ
		Date/Time	Received By	/C2====	>		Date/Time	QC LEV		•								_
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. 10								REQUES					N TI					_
Sample Shipped Via (circle one):		l	Waybill Nu	mhom				CUSTOD				Y	N pł	i				
UPS (ED-EX) AIRBORNE OTHER	BUS H	AND	Wayom Nu	inder.				JAM LA	COM	11101	` 						•	·
REMARKS (Notes): 1) 2) Run the MATRIX SPIKE / MATRI	RIX SPIKE	DUPLICATE o	n <b>:</b>															

2.2

FA46136: Chain of Custody Page 2 of 3



# **SGS Accutest Sample Receipt Summary**

Job Number: FA46136		Client: C	APE I	Project:	CORRECTIV	'E ACTION	N AT FO	ORT BLISS
Date / Time Received: 7/26/2017	9:15:00 AM	D	elivery Method: FX	Airbill #'s:	811306952	270		
Therm ID: IR 1;		Ti	herm CF: 0.4;	į	# of Coolers	s: 3		
Cooler Temps (Raw Measured	l) °C: Coole	r 1: (1.8);	Cooler 2: (3.4); Cooler 3: (1.7);					
Cooler Temps (Corrected	l) °C: Coole	1: (2.2);	Cooler 2: (3.8); Cooler 3: (2.1);					
Cooler Information	Y or	<u>N_</u>	Sample Information			Y or	N	N/A
1. Custody Seals Present	<b>✓</b>		1. Sample labels present or	n bottles		<b>✓</b>		
2. Custody Seals Intact	<b>✓</b>		2. Samples preserved prop	erly		✓		
3. Temp criteria achieved	<b>✓</b>		3. Sufficient volume/contain	ners recvd fo	r analysis:	✓		
4. Cooler temp verification	IR Gun		4. Condition of sample			<u>Intact</u>		
5. Cooler media	Ice (Bag)		5. Sample recvd within HT			✓		
			6. Dates/Times/IDs on COC	C match San	nple Label	<b>✓</b>		
Trip Blank Information	Y or	N N/	A 7. VOCs have headspace					$\checkmark$
1. Trip Blank present / cooler			8. Bottles received for unsp	pecified tests	;		<b>✓</b>	
2. Trip Blank listed on COC			Compositing instructions	clear				✓
	_W or	S N	10. Voa Soil Kits/Jars recei	ived past 48l	nrs?			✓
0.7			11. % Solids Jar received?					✓
3. Type Of TB Received			12. Residual Chlorine Prese	ent?				✓
Misc. Information								
Number of Encores: 25-Gram	5	-Gram	Number of 5035 Field Kits:	1	Number of Lal	b Filtered M	letals:	
Test Strip Lot #s:	H 0-3	230315	pH 10-12 219813A		Other: (Speci	fy)	_	_
Residual Chlorine Test Strip Lot				_				
Comments								
SM001 Technician:	PETERH		Date: 7/26/2017 9:15:00 AM F	Reviewer:			Date:	

FA46136: Chain of Custody Page 3 of 3



Form 341766788

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# CHAIN OF CUSTODY

# ACCUTEST

4405 Vineland Rd, Suite (-15, Orlando, FL 32811 TEL 407-425-6700 FAX 407-425-0707

SGS Accutest Quote # FEO-EX Tracking #

	つつつ	D D D D	ACCUTEST		4405 Vineland Rd, Suite C+15, Oylando, FL 32811	5 Vineland Rd, State C-15, Orlando, FL 32	-15, Oylar	ido, FL 32)	118			# chord act Output	a ctori		Act Best 1990		
				İ	TEL 407	WWW.SES.COM	rAA 407	10/01/07							- 1	FA46136X	
	Client / Reporting Information	ormation			Project 1	Project Information	בי					R	quested An	alysis ( see TE	Requested Analysis ( see TEST CODE sheet)		Matrix Codes
ľζ	Company Name		Project Name:														
	SGS Accutest				Oro Gran	Oro Grande, Fort Bliss, TX	liss, TX										DW - Drinking Water GW - Ground Water
to	Street Address		Street														WW - Water SW - Surface Water
	4405 Vineland Rd, Suite C-15					Billing Information ( if different from Report to)	rmation (	f different	from Repo	rt to)						_	SO - Soil
lo_	State	di2	City		State	Company N	ame										SL. Sludge SED-Sediment
	님	32811			ΤX									,	-		<u>o</u> - <u>o</u>
o.	Project Contact E-mail		Project #			Street Address	688							_			LIQ - Other Liquid AIR - Air
	andrea.colby@sgs.com		-						į			_					SOL - Other Solid
Δ.	Phone #	Fax #	Client Purchase Order#	Order #		≱ Ö			State		di7					_	WP - Wipe FB-Field Blank
	386-615-84/9								ļ								EB-Equipment Blank
رن ســــــ	Sampler(s) Name(s)	Phon	Phone Project Manager			Attention.						٠,					RB- Rinse Blank TB-Trip Blank
_					Collection		-	-	Number	Number of preserved Bottles	Bottles	soı					
₹ .	SGS Accided Cight P. Doint of Collection	acity of the	# TeX COHO	2	E.	Sampled	# Wash	ICI	EQNI HOP	I Aystet	NCOKE	VSBES1					LAB USE ONLY
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	2X T030GL-WC04			7/25/17	7:50:00 AM	SM	So	-		-		×					
	3X T030GL-WC05	ļ		7/25/17	8:25:00 AM	SM	so	1				×				_	
	4X T030GL-WC06			7/25/17	9:10:00 AM	SM	So	-		-		×					
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Щ.	8X T030GL-WC10			71/25/17	10:50:00 AM	NS.	os	1				×				1	
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<u> </u>	10X T030GL-WC12			7125/17	12:40:00 PM	SM	so	-		1		×					
<u> </u>	11X T030GL-WC13			7/25/17	1:30:00 PM	SM	so	1		ı		×				_	
	12X T030GL-WC14			71/25/17	2:15:00 PM	SM	so	-		1		×					
	13X T030GL-WC15			71/25/17	2:40:00 PM	SM	os	-		-		×					
<u></u>	Turnaround Time ( Business days)	siness days)						Data De	Data Deliverable Information	nformation					Comments / Special Instructions	suoi	
_			Approved By (SGS	Approved By (SGS Accutest PM): / Date:	ij	<u>0</u>	mmercial	Commercial "A" (Level 1, Results Only)	II, Resulta	5 Only)			EMSL-FL				
	10 Day (business)						Commercial "B" (	Commercial "B" ( Level 2, Results + QC summary) DECT: ( ) evel 3)	ı 2. Result:	+ OC sun	ımary}						
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	3 Day RUSH					] ×	DOD FULT1 (Level 4)	(Level 4)									
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,	Relinquished by Sampler:	Broken	H#1	Received By:				- g 4	Relinquished By:	эу:			ď.	Date Time:	Received By.		
	Relinquished by:	Date 1	Date Turff . (1)	Received By:				<u> </u>	Custody Seal #			Intact	Preserved w	Preserved where applicable	On Ice	Cooler Temp	Temp
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10/03/2018

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Page 2 of 2

Cooler Temp.

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Preserved where applicable Date Time:

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# CHAIN OF CUSTODY

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	ここと からな	ACCUTEST		4405 Vine.	land Rd, Su	ite C-15 O	rlando. FI.	12831			ED.	FED-EX Tracking #			Bottle Order Control #	a Control #	
	1	) !		TEI. 4	07-425-67( ww	TEL 407-425-6700 FAX 407-425-0707 www.ses.com	407-425-07	20.			365	SGS Accufest Quote #	ote #		SGS Accutest Job	resi Job FA46136X	
	Client / Reporting Information			Projec	Project information	ation					-	Rec	uested An	alvsis ( see	Requested Analysis ( see TEST CODE sheet)	sheet)	Matrix Codes
Compa	Company Name:	Project Name	 									_	-			-	
Š	SGS Accutest			Oro Gr	ande, Fo	Oro Grande, Fort Bliss, TX	×						_				DW - Drinking Water GW - Ground Water
Street Address		Street	! !								$\prod$						ww water
4	Suite C-15				Billing	Billing Information ( if different from Report to)	) ( if differe	nt from R	eport to)		-	_					SW - Surface Water
Čis Cis	State	Ctty		State	Compa	ny Name							_	_	-		SL-Sludge
O II	급			i	_			ı									SED-Sediment Of - Oil
Project	Project Contact E-mail	Project #			Street Address	Address					_			_			LIQ - Other Liquid
and.	.colby@sgs.com												_	_			AIR - Air
Phone #	# X#	Client Purchase Order #	Order #		City			State		ZIp	_						WP - Wipe
386			i														FB-Field Blank
Sampler	(s) Name(s)	Phone Project Manager	!		Attention	Ë					· 						RB- Rinse Blank
•				,	-						sc	_				-	¥ 50
SGS Acculest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Collection	Sampled	Matrix	# of bottles	HO9A	Number of preserved Bottles  NONE 15204 100 1100 1100 1100 1100 1100 1100 11	MEOH SE	DISBEST						LAB USE ONLY
14X	T030GL-WC16		7/25/17	3:20:00 PM		SO	-	1-	丰	T	×	-	<del> </del>				
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	Turnaround Time ( Business days)						Data D	eliverable	Data Deliverable Information	tion				<del> </del>	Comments / Sp	Comments / Special Instructions	
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	X other / 14 days				][]	EDD Format	hat		1 1								
9	(9)		Sample Cus	Sample Custody must be documented below each time samples change possession, including course delivery.	Hocume	nted below	r each time	e sample	es chang	e posses:	Sion, Incl.	100 Bulpr	urier deliven				
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Date Time:

Relinquished by Sampler:

3 Relinquished by:

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# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL03-WC-TB02

Lab Sample ID: FA46136-1 Date Sampled: 07/25/17 Matrix: SO - Trip Blank Soil Date Received: 07/26/17 Method: SW846 8260B Percent Solids: n/a

Project: Oro Grande, Fort Bliss, TX

File ID DF By Prep Date Prep Batch Analytical Batch Analyzed Run #1 C0122994.D 1 07/27/17 11:55 EP VC4870 n/a n/a

Run #2

Initial Weight Final Volume Run #1 5.00 g 5.0 ml

Run #2

#### VOA TCLP List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
71-43-2	Benzene	2.0 U 2.0U	<b>5</b> . 0	2.0	1. 2	ug/kg	
78-93-3	2-Butanone (MEK)	<del>15 U</del> 15U	25	15	7.3	ug/kg	
56-23-5	Carbon Tetrachloride	2.0 U 2.0U	5.0	2.0	1.0	ug/kg	
108-90-7	Chlorobenzene	2.0 U 2.0U	5.0	2.0	1. 0	ug/kg	
67-66-3	Chloroform	2.0 U 2.0U	5.0	2.0	1.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	2.0 U 2.0U	5. 0	2.0	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	<del>2.0 U</del> 2.0U	5.0	2.0	1. 0	ug/kg	
75-35-4	1,1-Dichloroethylene	2.0 U 2.0U	5.0	2.0	1. 0	ug/kg	
127-18-4	Tetrachloroethylene	-2.0 U 2.0U	5.0	2.0	1. 3	ug/kg	
79-01-6	Trichloroethylene	2.0 U 2.0U	5. 0	2.0	1. 0	ug/kg	
75-01-4	Vinyl Chloride	<del>2.0 U</del> 2.0U	<b>5</b> . 0	2.0	1. 0	ug/kg	
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Lim	its		
1868-53-7	Dibrom of luoromethane	103%		75-1	24%		
17060-07-0	1,2-Dichloroethane-D4	106%		72-1	35%		
2037-26-5	Toluene-D8	94%		75-1	26%		
460-00-4	4-Bromofluorobenzene	98%		71-1	33%		

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

J = Indicates an estimated value









# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL03-WC-TB02

Lab Sample ID: FA46136-1 Date Sampled: 07/25/17 Matrix: SO - Trip Blank Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: n/a

Project: Oro Grande, Fort Bliss, TX

Prep Date File ID DF By Prep Batch Analytical Batch Analyzed GUV4266 UV080582.D 08/03/17 17:33 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run#1 5.00 g 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q TPH-GRO (C6-C10) 2.5 U 2.5U 5.0 2.5 2.5 mg/kg CAS No. Surrogate Recoveries Run#1 Run#2 Limits 460-00-4 4-Bromofluorobenzene 92% 56-149% 98-08-8 aaa-Trifluorotoluene 92% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04

Lab Sample ID: FA46136-2 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date M97888.D 10 OP66200 VM4200 Run #1 08/02/17 15:03 WV 07/31/17 12:30

Run #2

Purge Volume

Run#1  $5.0 \ ml$ 

Run #2

#### VOA TCLP List TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q	)
71-43-2	Benzene 0.0050U	0.0050 U	D018	0.50	0.010	0.0050	0.0031	mg/l	
78-93-3	2-Butanone (MEK) 0.035U	0.035 U	D035	200	0.050	0.035	0.020	mg/l	
56-23-5	Carbon Tetrachloride <sup>0.0050</sup> UJ	0.0050 U	D019	0.50	0.010	0.0050	0.0036	mg/l	
108-90-7	Chlorobenzene 0.0050U	0.00 <b>5</b> 0 U	D021	100	0.010	0.0050	0.0020	mg/l	
67-66-3		0.0050 U	D022	6.0	0.010	0.0050	0.0030	mg/l	
106-46-7	1,4-Dichlorobenzene 0.0050U	0.0050 U	D027	7.5	0.010	0.0050	0.0026	mg/l	
107-06-2	1,2-Dichloroethane 0,0050U	0.0050 U	D028	0.50	0.010	0.0050	0.0031	mg/l	
75-35-4	1,1-Dichloroethylene 0.0050U	0.0050 U	D029	0.70	0.010	0.0050	0.0032	mg/l	
127-18-4	Tetrachloroethylene 0.0050U	0.0050 U	D039	0.70	0.010	0.0050	0.0022	mg/l	
79-01-6	Trichloroethylene 0.0050U	0.0050 U	D040	0.50	0.010	0.0050	0.0035	mg/l	
75-01-4		0.0050 U	D043	0.20	0.010	0.0050	0.0041	mg/l	
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Li	mits				
4000 50 5	T. 2	40407			44007				
1868- <b>5</b> 3- <b>7</b>	Dibromofluoromethane	104%			-118%				
17060-07-0	1,2-Dichloroethane-D4	104%		79	-125%				
2037-26-5	Toluene-D8	101%		85	-112%				
460-00-4	4-Bromofluorobenzene	98%		83	-118%				

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04

Lab Sample ID: FA46136-2 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

File ID DF By Prep Batch Analytical Batch Analyzed Prep Date 4D2071.D 1 S4D81 Run #1 08/04/17 20: 18 NG 07/29/17 08:15 OP66197

Run #2

Initial Volume Final Volume Run #1 100 ml 1.0 ml Run #2

#### ABN TCLP List

#### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q
95-48-7	2-Methylphenol 0.010	UJ 0.010 U	D023	200	0.050	0.010	0.0056	mg/l
	3&4-Methylphenol 0.020	UJ 0.020 U	D024	200	0.050	0.020	0.0098	mg/l
87-86- <b>5</b>	Pentachlorophenol a 0.10 U	IJ <del>0.10 U</del>	D037	100	0.25	0.10	0.050	mg/l
95-95-4	2,4,5-Trichlorophenol0.020	UJ <del>0.020 U</del>	D041	400	0.050	0.020	0.0074	mg/l
88-06-2	2,4,6-Trichlorophenol 0.020	UJ <u>0.020 U</u>	D042	2.0	0.050	0.020	0.0075	mg/l
106-46-7	1,4-Dichlorobenzene 0.020	U 0.020 U	D027	7.5	0.050	0.020	0,0050	mg/l
121-14-2	2,4-Dinitrotoluene 0.010	ប <del>0.010 U</del>	D030	0.13	0.050	0.010	0.0081	mg/l
118-74-1	Hexachlorobenzene 0.010	U 0.010 U	D032	0.13	0.050	0.010	0.0069	mg/l
87-68-3	Hexachlorobutadiene 0.010	U 0.010 U	D033	0.50	0.050	0.010	0.0050	mg/l
67-72-1	Hexachloroethane 0.020	υ 0.020 υ	D034	3.0	0.050	0.020	0.016	mg/l
98-95-3	Nitrobenzene 0.020	U 0.020 U	D036	2.0	0.050	0.020	0.0093	mg/l
110-86-1	Pyridine 0.035	U 0.035 U	D038	<b>5</b> . 0	0.10	0.035	0.020	mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	. Li	imits			
367-12-4	2-Fluor ophenol	24%		14	1-67%			
4165-62-2	Phenol-d5	14%		10	0-50%			
118-79-6	2,4,6-Tribromophenol	74%		33	3-118%			
4165-60-0	Nitrobenzene-d5	73%		42	2-108%			
321-60-8	2-Fluorobiphenyl	76%		40	)-106%			
1718-51-0	Terphenyl-d14	81%		39	9-121%			

(a) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection

E = Indicates value exceeds calibration range

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04

Lab Sample ID: FA46136-2 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080583.D 08/03/17 18:03 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot 5.87 g Run#1 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.3 U 2.3 U 2.3 2.3 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 92% 56-149% 98-08-8 aaa-Trifluorotoluene 92% 66-132%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04

Lab Sample ID: FA46136-2 Date Sampled: 07/25/17 SO - Soil Matrix: Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date CC055209.D GCC1169 Run #1 08/03/17 14:05 MG 07/29/17 12:30 OP66199

Run #2

Initial Volume Final Volume 10.0 ml 5.0 ml

Run #1 Run #2

Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No. Compound Result HW# MCL LOQ LOD Units Q

94-75-7 0.025UJ - 0.025 U 2,4-D D016 10 0.050 0.025 0.017 mg/l 93-72-1 2,4,5-TP (Silvex) 0.0025UJ 0.0025 U D017 1.0 0.00500.0025 0.0013

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

19719-28-9 2,4-DCAA 50% 39-135%

LOD = Limit of Detection

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

J = Indicates an estimated value



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04

Lab Sample ID: FA46136-2 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

 $\mathbf{B}\mathbf{y}$ File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date KK85100. D 1 08/02/17 19:14 KL OP66198 GKK2709 Run #1 07/29/17 10:00

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

#### Pesticide TCLP Leachate

#### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units	Q
58-89-9	gamma-BHC (Linda	0.0000 <b>5</b>	U 0 000050 U	D013	0.40	0.00010	0.000050	00 00002	2mo/1	
12 <b>7</b> 89-03-6	Chlordane	0.000 <b>5</b> U	0.00050 U	D020	0.030		0.00050			
72-20-8	Endrin	0.0000 <b>5</b> U	<del>0.000050 U</del>	D012	0.020	0.00020	0.000050	0.00002	1mg/1	
76-44-8	Heptachl or	0.0000 <b>5</b> U	0.000050 U	D031	0.0080	0.00010	0.000050	0.00002	6mg/1	
1024-57-3	Heptachlor epoxide	0.0000 <b>5</b> U	0.000050 U	D031	0.0080	0.00010	0.000050	00.00002	0mg/1	
72-43-5	Methoxychlor	0.00010U	0.00010 U	D014	10	0.00020	0.00010	0.00005	0mg/1	
8001-35-2	Toxaphene	0.003 <b>8</b> U	0.0038 U	D015	0.50	0.0050	0.0038	0.0021	mg/l	
CAS No.	Surrogate Recover	ies	Run#1	Run# 2	Li	mits				
877-09-8	Tetrachloro-m-xyle	ne	94%		42	-127%				
2051-24-3	Decachlorobiphenyl		108%		27	-127%				

LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04

Lab Sample ID: FA46136-2 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed MM43926.D 07/27/17 15:35 NJ 07/27/17 07:30 OP66167 GMM840 Run #1

Run #2

Initial Weight Final Volume Run#1 15.6 g 5.0 ml

Run #2

#### PCB List

CAS No.	Compound		Result	LOQ	LOD	DL	Units	Q
11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	12 U 12 U 12 U 12 U 12 U 12 U 12 U	12 U 12 U 12 U 12 U 12 U 12 U 12 U 12 U	17 17 17 17 17 17	12 12 12 12 12 12 12 12	6.6 8.3 8.3 6.6 6.6 6.6 6.6	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	
0100				T	<b>.</b>			

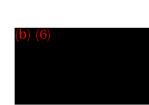
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		44-126%
2051-24-3	Decachlorobiphenyl	52%		41-145%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection LimitE = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

J = Indicates an estimated value



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04

Lab Sample ID: FA46136-2 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed JJ016047.D 1 08/05/17 14:20 SJL 07/27/17 08:00 OP66168 GJJ684 Run #1

Run #2

Initial Weight Final Volume

 $20.5\,\mathrm{g}$ Run#1 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> 3.19 J TPH (C10-C28) 5.1 3.8 2.5 mg/kg J

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 85% 56-122%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04 Lab Sample ID: FA46136-2 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

# Metals Analysis, TCLP Leachate SW846 1311

Analy	⁄te	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed	Ву	Method
Arsenic	0.050 U	0.050 U	D004	5.0	0. 10	0.050	0.013	mg/l	1	07/28/17	07/28/17	LM	SW846 6010C <sup>1</sup>
Barium	0.53 J	0.53 J	D005	100	2.0	0.050	0.050	mg/l	1	07/28/17	07/28/17	LM	SW846 6010C <sup>1</sup>
Cadmium	0.050 U	0.010 U	D006	1.0	0.050	0.010	0.0020	mg/l	1	07/28/17	07/28/17	LM	SW846 6010C <sup>1</sup>
Chromium	0.050 U	0.050 U	D007	5.0	0.10	0.050	0.010	mg/l	1	07/28/17	07/28/17	LM	SW846 6010C <sup>1</sup>
Lead	0.050 T	0.020 U	D008	5.0	0.050	0.020	0.011	mg/l	1	07/28/17	07/28/17	LM	SW846 6010C <sup>1</sup>
Mercury	0.000 <b>5</b> 8 J	0.00058J	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	07/31/17	07/31/17	JL	SW846 7470A 2
Selenium	0.050 U	0.050 U	D010	1.0	0.10	0.050	0.029	mg/l	1	07/28/17	07/28/17	LM	SW846 6010C 1
Silver	0.020 T	0.020 U	D011	5.0	0. 10	0.020	0.0070	mg/l	1	07/28/17	07/28/17	LM	SW846 6010C <sup>1</sup>

(1) Instrument QC Batch: MA14256 (2) Instrument QC Batch: MA14259 (3) Prep QC Batch: MP32514 (4) Prep QC Batch: MP32517

LOQ = Limit of Quantitation

DL = Detection Limit

U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC04 Lab Sample ID: FA46136-2 Matrix: SO - Soil

**Date Sampled:** 07/25/17 Date Received: 07/26/17 Percent Solids: 96.5

Project: Oro Grande, Fort Bliss, TX

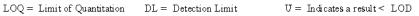
# General Chemistry

Analyte		Result	rod	LOD	$\mathbf{DL}$	Units	DF	Analyzed	By Method
Corrosivity as pH	8.4	8.4				su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0.77 U	0 <del>.77 U</del>	1.6	0.77 a	0.77	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint	:) ½ 200	<u>&gt; 200</u>				Deg. F	1	07/27/17 12:30	KH SW846 1010
Solids, Percent	96.5	96.5				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfide Reactivity	52 U	52 U	52	52 a	52	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

<sup>(</sup>a) Value reported is laboratory DL (MDL).



**ACCUTEST** 



LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

<sup>(</sup>b) Not ignitable.

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC05

Lab Sample ID: FA46136-3 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 91.9

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date M97890.D 10 OP66200 VM4200 Run #1 08/02/17 15:53 WV 07/31/17 12:30

Run #2

Purge Volume

Run#1  $5.0 \ ml$ 

Run #2

#### VOA TCLP List TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units	Q
71-43-2	Benzene	0.0104	0.0104	D018	0.50	0.010	0.0050	0.0031	mg/l	
78-93-3	2-Butanone (MEK)	0.035 <b>U</b>	0.035 U	D035	200	0.050	0.035	0.020	mg/l	
56-23-5	Carbon Tetrachloride	0.00 <b>5</b> 0 UJ	0.0050 <del>U</del>	D019	0.50	0.010	0.00 <b>5</b> 0	0.0036	mg/l	
108-90-7	Chlorobenzene	0.00 <b>5</b> 0 U	0.0050 U	D021	100	0.010	0.0050	0.0020	mg/l	
67-66-3	Chloroform	0.0050 <b>U</b>	<del>0.0050 U</del>	D022	6.0	0.010	0.0050	0.0030	mg/l	
106-46-7	1,4-Dichlorobenzene	0.00 <b>5</b> 0 U	0.0050 U	D027	7.5	0.010	0.0050	0.0026	mg/l	
107-06-2	1,2-Dichloroethane	0.0050 <b>U</b>	0.0050 U	D028	0.50	0.010	0.0050	0.0031	mg/l	
75-35-4	1, 1-Dichloroethylene	0.00 <b>5</b> 0 U	0.0050 U	D029	0.70	0.010	0.0050	0.0032	mg/l	
127-18-4	Tetrachloroethylene	0.0299	0.0299	D039	0.70	0.010	0.0050	0.0022	mg/l	
79-01-6	Trichloroethylene	0.00 <b>5</b> 0 U	0.0050 U	D040	0.50	0.010	0.0050	0.0035	mg/l	
75-01-4	Vinyl Chloride	0.0050 <b>U</b>	0.0050 U	D043	0.20	0.010	0.0050	0.0041	mg/l	
CAS No.	Surrogate Recover	ies	Run#1	Run# 2	Li	mits				
1868-53-7	Dibrom of luorometh	ane	100%		83	3-118%				
17060-07-0	1,2-Dichloroethane-D4		103%	79-125%						
2037-26-5	Toluene-D8	_ •	100%			5-112%				

460-00-4

LOD = Limit of Detection

J = Indicates an estimated value

83-118%

E = Indicates value exceeds calibration range

4-Bromofluorobenzene

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC05

Lab Sample ID: FA46136-3 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 91.9

Project: Oro Grande, Fort Bliss, TX

File ID DF By Prep Batch Analytical Batch Analyzed Prep Date 4D2073.D 1 S4D81 Run #1 08/04/17 21: 15 NG 07/29/17 08:15 OP66197

Run #2

Initial Volume Final Volume Run #1 100 ml 1.0 ml Run #2

#### ABN TCLP List

#### TCLP Leachate method SW846 1311

Q

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	$\mathbf{DL}$	Units
95-48-7	2-Methylphenol	0. 010 UJ	0.010 U	D023	200	0.050	0.010	0.0056	mg/l
	3&4-Methylphenol	0.020 UJ		D024	200	0.050	0.020	0.0098	mg/l
87-86-5	Pentachlorophenol a	0.10 UJ	0.10 U	D037	100	0.25	0.10	0.050	mg/l
95-95-4	2,4,5-Trichlorophenol	0.020 UJ	0.020 U	D041	400	0.050	0.020	0.0074	mg/l
88-06-2	2,4,6-Trichlorophenol	0.020 UJ	0.020 U	D042	2.0	0.050	0.020	0.0075	mg/l
106-46-7	1,4-Dichlorobenzene	0.020 U	0.020 U	D027	7,5	0.050	0.020	0.0050	mg/l
121-14-2	2,4-Dinitrotoluene	0.010 ប	0.010 U	D030	0.13	0.050	0.010	0.0081	mg/l
118-74-1	Hexachlorobenzene	0.010 U	0.010 U	D032	0.13	0.050	0.010	0.0069	mg/l
87-68-3	Hexachlorobutadiene	0.010 U	0.010 U	D033	0.50	0.050	0.010	0.0050	mg/l
67-72-1	Hexachloroethane	0.020 U	0.020 U	D034	3.0	0.050	0.020	0.016	mg/l
98-95-3	Nitrobenzene	0.020 U	0.020 U	D036	2.0	0.050	0.020	0.0093	mg/l
110-86-1	Pyridine	0.035 U	0.035 U	D038	5.0	0.10	0.035	0.020	mg/l

CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%		14-67%
4165-62-2	Phenol-d5	16%		10-50%
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

(a) Associated BS recovery outside control limits.

LOD = Limit of Detection

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

J = Indicates an estimated value

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC05

Lab Sample ID: FA46136-3 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 91.9

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080584.D 08/03/17 18:32 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run#1 5.68 g 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.6 U 2.6 U 5.2 2.6 2.6 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 91% 56-149% 98-08-8 aaa-Trifluorotoluene 94% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation E = Indicates value exceeds calibration range

DL = Detection Limit

J = Indicates an estimated value B = Indicates analyte found in associated method blank



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC05

Lab Sample ID: FA46136-3 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 91.9

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date CC055211.D 08/03/17 14:37 MG OP66199 GCC1169 Run #1 07/29/17 12:30

Run #2

Initial Volume Final Volume Run#1 10.0 ml 5.0 ml

Run #2

#### Herbicide TCLP Leach ate

#### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
94-75-7 93-72-1	2,4-D 2,4,5-TP (Silvex)	0.025UJ 0.0025UJ	0.025 U 0.0025 U	D016 D017		0.050 0.0050	0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recoveries		Run#1	Run# 2	Li	mits			
19719-28-9	2,4-DCAA		77%		39	-135%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC05

Lab Sample ID: FA46136-3 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 91.9

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85102. D 1 08/02/17 19:49 KL 07/29/17 10:00 OP66198 GKK2709 Run #1

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

#### Pesticide TCLP Leachate

#### TCLP Leachate method SW846 1311

CAS No. Com	rp oun d	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
58-89-9 gamma-	BHC (Lindane) 0.00005U	0.000050 U	D013	0.40	0.00010	0.000050	0.00002	2mg/1	
12789-03-6 Chlorda	ne 0.0005U	0.00050 U	D020	0.030	0.0010	0.00050	0.00038	mg/l	
72-20-8 Endrin	0.0000 <b>5U</b>	0.000050 U	D012	0.020	0.00020	0.000050	0.00002	1 mg/1	
76-44-8 Heptach	1 or 0.00005U	0.000050 U	D031	0.0080	0.00010	0.000050	0.00002	5mg/l	
1024-57-3 Hept	tachlor epoxide 0.00005U	0.000050 U	D031	0.0080	0.00010	0.000050	0.00002	0mg/1	
72-43-5 Meti	hoxychlor 0.00010U	0.00010 U	D014	10	0.00020	0.00010	0.000050	0mg/l	
8001-35-2 Toxa	aphene 0.0038U	0.0038 U	D015	0.50	0.0050	0.0038	0.0021	mg/l	
CAS No. Suri	rogate Recoveries	Run#1	Run# 2	Li	mits				
877-09-8 Tetr	achloro-m-xylene	83%		42	-127%				
2051-24-3 Deca	achl or obiphenyl	96%		27	-127%				

U = Not detected LOD = Limit of Detection

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

J = Indicates an estimated value





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC05

Lab Sample ID: FA46136-3 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 91.9

Project: Oro Grande, Fort Bliss, TX

 $\mathbf{B}\mathbf{y}$ File ID  $\mathbf{DF}$ Prep Date Prep Batch Analytical Batch Analyzed Run #1 <sup>a</sup> MM43927.D 07/27/17 15:47 NJ 07/27/17 07:30 OP66167 GMM840

Run #2

Initial Weight Final Volume  $15.1\,\mathrm{g}$ Run #1 5.0 ml

Run #2

#### PCB List

CAS No.	Compound		Result	LOQ	LOD	DL	Units	Q
12674-11-2	Aroclor 1016	13 U	13 U	18	13	7.2	ug/kg	
11104-28-2	Aroclor 1221	13 U	13 U	18	13	9. 0	ug/kg	
11141-16-5	Aroclor 1232	13 U	<del>13 U</del>	18	13	9. 0	ug/kg	
53469-21-9	Aroclor 1242	13 U	13 U	18	13	7.2	ug/kg	
12672-29-6	Aroclor 1248	13 U	<del>13 U</del>	18	13	7.2	ug/kg	
11097-69-1	Aroclor 1254	17.9∫	17.9	18	13	7.2	ug/kg	Ţ
11096-82-5	Aroclor 1260	13 U	<del>13 U</del>	18	13	7.2	ug/kg	

CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		44-126%
2051-24-3	Decachlorobiphenyl	60%		41-145%

(a) All hits confirmed by dual column analysis.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC05

Lab Sample ID: FA46136-3 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 91.9

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ Analyzed By Prep Date Prep Batch Analytical Batch 5 JJ016048.D 08/05/17 14:49 SJL 07/27/17 08:00 OP66168 GJJ684 Run #1

Run #2

Initial Weight Final Volume

 $20.1\,\mathrm{g}$ Run #1 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> TPH (C10-C28) 71.6J 71.6 14 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 93% 56-122%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound



# Report of Analysis

Client Sample ID: T030GL-WC05 Lab Sample ID: FA46136-3 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17

Percent Solids: 91.9

Page 1 of 1

Project: Oro Grande, Fort Bliss, TX

# Metals Analysis, TCLP Leachate SW846 1311

Ana	lyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0 <b>5</b> 0 T	0.050 U	D004	5.0	0. 10	0.050	0.013	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Barium	0.52 J	0.52 J	D005	100	2.0	0.050	0.050	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Cadmium	0.010 U	0.010 U	D006	1.0	0.050	0.010	0.0020	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Chromium	0.050 U	0.050 T	D007	5.0	0.10	0.050	0.010	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Lead	0.020.17	0.020 U	D008	5.0	0.050	0.020	0.011	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Mercury	0.00062 J	0.00062J	D009	0.20	0.0050	0.0010	0.00050	mg/1	1	07/31/17	07/31/17 JL	SW846 7470A <sup>2</sup>
Selenium	0.050 U	0.050 U	D010	1.0	0.10	0.050	0.029	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Silver	0.020 U	0.020 U	D011	5.0	0. 10	0.020	0.0070	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>

(1) Instrument QC Batch: MA14256 (2) Instrument QC Batch: MA14259 (3) Prep QC Batch: MP32514 (4) Prep QC Batch: MP32517

U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ





LOQ = Limit of Quantitation

DL = Detection Limit

# Report of Analysis

Page 1 of 1

 Client Sample ID:
 T030GL-WC05

 Lab Sample ID:
 FA46136-3
 Date Sampled:
 07/25/17

 Matrix:
 SO - Soil
 Date Received:
 07/26/17

 Project:
 Oro Grande, Fort Bliss, TX

#### General Chemistry

Analyte		Result	rod	LOD	$\mathbf{DL}$	Units	DF	Analyzed	By Method
Corrosivity as pH	8. 0	8.0				su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0.82 U	0.82 U	1.6	0.82 a	0.82	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) b	> 200	> 200				Deg. F	1	07/27/17 12:30	KH SW846 1010
Solids, Percent	91.9	91.9				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfi de Reacti vity	54 U	54 U	54	54 a	54	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

- (a) Value reported is laboratory DL (MDL).
- (b) Not ignitable.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > DL (MDL) but < LOQ





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC06

Lab Sample ID: FA46136-4 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 91.8

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date M97891.D 10 OP66200 VM4200 Run #1 08/02/17 16:17 WV 07/31/17 12:30

Run #2

Purge Volume

Run #1  $5.0 \ ml$ 

VOA TCLP List

Run #2

#### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units	Q
71-43-2	Benzene	0.00 <b>5</b> 0 T	0.0050 U	D018	0.50	0.010	0.0050	0.0031	mg/l	
78-93-3	2-Butanone (MEK)	0.035	0.035 U	D035	200	0.050	0.035	0.020	mg/l	
56-23-5	Carbon Tetrachloride	0.00 <b>5</b> 0 UJ	0.0050 U	D019	0.50	0.010	0.0050	0.0036	mg/l	
108-90-7	Chlorobenzene	0.0020 J	0.0020	D021	100	0.010	0.0050	0.0020	mg/l	Ţ
67-66-3	Chloroform	0.00 <b>5</b> 0 U	0.0050 U	D022	6.0	0.010	0.0050	0.0030	mg/l	
106-46-7	1,4-Dichlorobenzene	0.00 <b>5</b> 0 T	0.00 <b>5</b> 0 U	D027	7.5	0.010	0.0050	0.0026	mg/l	
107-06-2	1,2-Dichloroethane	0.00 <b>5</b> 0 T	0.0050 U	D028	0.50	0.010	0.0050	0.0031	mg/l	
75-35-4	1,1-Dichloroethylene	0.00 <b>5</b> 0 T	0.0050 U	D029	0.70	0.010	0.00 <b>5</b> 0	0.0032	mg/l	
127-18-4	Tetrachloroethylene	0.00 <b>5</b> 0 U	0.0050 U	D039	0.70	0.010	0.0050	0.0022	mg/l	
79-01-6	Trichloroethylene	0.00 <b>5</b> 0 T	0.00 <b>5</b> 0 U	D040	0.50	0.010	0.0050	0.0035	mg/l	
75-01-4	Vinyl Chloride	0.00 <b>5</b> 0 T	0.0050 U	D043	0.20	0.010	0.0050	0.0041	mg/l	
CAS No.	CAS No. Surrogate Recoveries		Run#1	Run# 2	Li	mits				
1868-53-7	Dibromofluorometh	nane	102%		83	3-118%				
17060-07-	0 1,2-Dichloroethane	-D4	107%		79	-125%				
2037-26-5	2037-26-5 Toluene-D8		100%		85	5-112%				
460-00-4			98%	83-118%						

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC06

Lab Sample ID: FA46136-4 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 91.8

Project: Oro Grande, Fort Bliss, TX

File ID DF By Prep Batch Analytical Batch Analyzed Prep Date 4D2074.D 1 08/04/17 21:43 NG S4D81 Run #1 07/29/17 08:15 OP66197

Run #2

Initial Volume Final Volume Run #1 100 ml 1.0 ml Run #2

#### ABN TCLP List

#### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units	Q
95-48-7	2-Methylphenol	0.010 UJ	0.010 U	D023	200	0.050	0.010	0.0056	mg/l	
	3&4-Methylphenol	0.020 UJ	0.020 U	D024	200	0.050	0.020	0.0098	mg/l	
87-86- <b>5</b>	Pentachlorophenol a	0.10 UJ	0.10 U	D037	100	0.25	0.10	0.050	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.020 UJ	0.020 U	D041	400	0.050	0.020	0.0074	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.020 UJ	0.020 U	D042	2.0	0.050	0.020	0.0075	mg/l	
106-46-7	1,4-Dichlorobenzene	0.020 U	0.020 U	D027	7.5	0.050	0.020	0.0050	mg/l	
121-14-2	2,4-Dinitrotoluene	0.010 U	0.010 U	D030	0.13	0.050	0.010	0.0081	mg/l	
118-74-1	Hexachlorobenzene	0.010 <b>U</b>	0.010 U	D032	0.13	0.050	0.010	0.0069	mg/l	
87-68-3	Hexachlorobutadiene	0.010 <b>U</b>	0.010 U	D033	0.50	0.050	0.010	0.0050	mg/l	
67-72-1	Hexachloroethane	0.020 U	0.020 U	D034	3.0	0.050	0.020	0.016	mg/l	
98-95-3	Nitrobenzene	0.020 U	0.020 U	D036	2.0	0.050	0.020	0.0093	mg/l	
110-86-1	Pyridine	0.035 U	0.035 U	D038	5.0	0.10	0.035	0.020	mg/1	
CAS No.	Surrogate Recoveri	es	Run#1	Run# 2	Li	mits				

CAS No.	Surrogate Recoveries	Kun# 1	Run# 2	Limits
367-12-4	2-Fluor ophenol	26%		14-67%
4165-62-2	Phenol-d5	17%		10-50%
118-79-6	2,4,6-Tribromophenol	75%		33-118%
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	75%		40-106%
1718-51-0	Terphenyl-d14	84%		39-121%

(a) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

J = Indicates an estimated value



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC06

Lab Sample ID: FA46136-4 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 91.8

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080585.D 08/03/17 19:02 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run #1 5.85 g 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.6 U 2.6 U 5.1 2.6 2.6 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 90% 56-149% 98-08-8 aaa-Trifluorotoluene 93% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation

DL = Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





E = Indicates value exceeds calibration range

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC06

Lab Sample ID: FA46136-4 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 91.8

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date CC055212.D 08/03/17 14:53 MG OP66199 GCC1169 Run #1 07/29/17 12:30

Run #2

Initial Volume Final Volume Run#1 10.0 ml 5.0 ml

Run #2

#### Herbicide TCLP Leachate

#### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
94-75-7 93-72-1		,	0.025 U 0.0025 U	D016 D017		0.050 0.0050	0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recoveri	es	Run#1	Run# 2	Li	mits			
19719-28-9	2,4-DCAA		64%		39	-135%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC06

Lab Sample ID: FA46136-4 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 91.8

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85103.D 1 08/02/17 20:06 KL 07/29/17 10:00 OP66198 GKK2709 Run #1

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 5.0 ml Run #2

#### Pesticide TCLP Leachate

#### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units	Q
58-89-9 12789-03-6 72-20-8 76-44-8	gamma-BHC (Linda Chlordane Endrin Heptachlor	0.00050U 0.00005U 0.00005U	0.000050 U 0.00050 U 0.000050 U 0.000050 U	D020 D012 D031	0.020 0.0080	0.00010 0.0010 0.00020 0.00010	0.000050 0.00050 0.000050	0.00038 00.00002 00.00002	mg/l 1mg/l 6mg/l	
1024-57-3 72-43-5 8001-35-2	Heptachlor epoxide Methoxychlor Toxaphene		0.000050 U 0.00010 U 0.0038 U	D014	0.0080 10 0. <b>5</b> 0	0.00010 0.00020 0.00 <b>5</b> 0	0.000050 0.00010 0.0038		0	
CAS No.	No. Surrogate Recoveries		Run#1	Run# 2	Li	mits				
877-09-8 2051-24-3	Tetrachloro-m-xyler Decachlorobiphenyl		90 <b>%</b> 104 <b>%</b>			:-127% :-127%				

LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC06

Lab Sample ID: FA46136-4 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 91.8

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date Run #1 <sup>a</sup> MM43928.D 5 07/27/17 15:58 NJ GMM840 07/27/17 07:30 OP66167

Run #2

Initial Weight Final Volume  $15.3\,\mathrm{g}$ Run#1 5.0 ml Run #2

#### PCB List

CAS No.	Compound		Result	LOQ	LOD	DL	Units	Q
53469-21-9 12672-29-6 11097-69-1	Aroclor 1232 Aroclor 1242 Aroclor 1248	62 U 62 U 62 U 62 U 62 U 62 U 105 J 48.3 J	62 U 62 U 62 U 62 U 62 U 62 U 62 U 48.3	89 89 89 89 89 89	62 62 62 62 62 62 62	36 44 44 36 36 36 36	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	î Î

CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		44-126%
2051-24-3	Decachlorobiphenyl	47%		41-145%

- (a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
- (b) Estimated value due to the presence of multiple overlapping Aroclor patterns.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection LimitE = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

J = Indicates an estimated value



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC06

Lab Sample ID: FA46136-4 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 91.8

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed JJ016049.D 20 08/05/17 15:18 SJL 07/27/17 08:00 OP66168 GJJ684 Run #1

Run #2

84-15-1

Initial Weight Final Volume  $20.2\,\mathrm{g}$ Run#1 1.0 ml Run #2

56-122%

CAS No. Compound Result LOQ LOD DLUnits TPH (C10-C28) 508 J 110 54 mg/kg CAS No. Surrogate Recoveries Run#1 Run#2 Limits

0% a

(a) Outside control limits due to dilution.

o-Terphenyl

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation E = Indicates value exceeds calibration range

DL = Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC06 Lab Sample ID: FA46136-4 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17

Percent Solids: 91.8

Oro Grande, Fort Bliss, TX Project:

# Metals Analysis, TCLP Leachate SW846 1311

Analy	te	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.0 <b>5</b> 0 T	. 050 TJ	D004	5.0	0. 10	0.050	0.013	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Barium	0.020	0.61 J	D004	100	2.0	0.050	0.050	mg/l	1			SW846 6010C <sup>1</sup>
Cadmium		J0.010 U	D006	1.0	0.050	0.010	0.0020	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Chromium	0.012)	0.0 <b>11</b> .J	D007	5.0	0.10	0.050	0.010	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
	0.020 <b>U</b>		D008	5.0	0.050	0.020	0.011	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Mercury	0.00065)	0.00065J	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	07/31/17	07/31/17 JL	SW846 7470A <sup>2</sup>
Selenium			D010	1.0	0.10	0.050	0.029	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Silver	0.020 <b>U</b>	0 020 tr	D011	<b>5</b> . 0	0. 10	0.020	0.0070	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>

(1) Instrument QC Batch: MA14256

(2) Instrument QC Batch: MA14259

(3) Prep QC Batch: MP32514

(4) Prep QC Batch: MP32517





LOQ = Limit of Quantitation

 $\mathrm{DL} = \mathrm{Detection\ Limit}$ 

U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

# 4

# Report of Analysis

Page 1 of 1

 Client Sample ID:
 T030GL-WC06

 Lab Sample ID:
 FA46136-4
 Date Sampled:
 07/25/17

 Matrix:
 SO - Soil
 Date Received:
 07/26/17

 Percent Solids:
 91.8

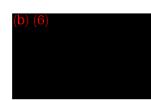
Project: Oro Grande, Fort Bliss, TX

# General Chemistry

Analyte	Res	ult I	LOQ	LOD	$\mathbf{DL}$	Units	DF	Analyzed	By Method
	1	/							
Corrosi vity as pH	8.1 8 1	/				su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0.81 U 0.81	<b>U</b> 1	1.6	0.81 <sup>a</sup>	0.81	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) <sup>b</sup>	> 200 > 10	00				Deg. F	1	08/09/17 14:45	KH SW846 1010
Solids, Percent	91.8 91.8	3				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfi de Reacti vity	54 U 64	7 5	54	54 <sup>a</sup>	54	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7
	/ /								

(a) Value reported is laboratory DL (MDL).

(b) Not ignitable.





LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > DL (MDL) but < LOQ

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC07

Lab Sample ID: FA46136-5 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 94.2

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date M97892.D 10 OP66200 VM4200 Run #1 08/02/17 16:42 WV 07/31/17 12:30

Run #2

Purge Volume

Run#1  $5.0 \ ml$ 

Run #2

#### VOA TCLP List TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units (	5
			1 1							
71-43-2	Benzene	0.00 <b>5</b> 0 U	0050 1	D018	0.50	0.010	0.0050	0.0031	mg/l	
78-93-3	2-Butanone (MEK)	0.035 U	0.035 T	D035	200	0.050	0.035	0.020	mg/l	
56-23-5	Carbon Tetrachloride	0.00 <b>5</b> 0 UJ	0.00 <b>50</b> U	D019	0.50	0.010	0.00 <b>5</b> 0	0.0036	mg/l	
108-90-7	Chlorobenzene	0.00 <b>5</b> 0 U	0. <b>0050</b> U	D021	100	0.010	0.0050	0.0020	mg/l	
67-66-3	Chloroform	0.0050 U	0.00 <b>1</b> 0 U	D022	6.0	0.010	0.0050	0.0030	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0050 <b>U</b>	0.0 <b>45</b> 0 U	D027	7.5	0.010	0.0050	0.0026	mg/l	
107-06-2	1, 2-Dichloroethane	0.00 <b>5</b> 0 T	0.00 <b>5</b> 0 U	D028	0.50	0.010	0.0050	0.0031	mg/l	
75-35-4	1, 1-Dichloroethylene	0.0050 U	0.00 <b>3</b> 0 U	D029	0.70	0.010	0.0050	0.0032	mg/l	
127-18-4	Tetrachloroethylene	0.0050 <b>U</b>	0. <b>005</b> 0 U	D039	0.70	0.010	0.0050	0.0022	mg/l	
79-01-6	Trichloroethylene	0.00 <b>5</b> 7 J	0.005	D040	0.50	0.010	0.0050	0.0035	mg/l 🚶	
75-01-4	Vinyl Chloride	0.00 <b>5</b> 0 U	0 0050 U	D043	0.20	0.010	0.0050	0.0041	mg/l	•
			, ,							
CAS No	Surrogato Rocoveri	oc	Run#1	Run# 2	Ti	mite				

CAS No. Surrogate Recoveries		Run# 1	Run# 2	Limits
1868-53-7	Dibrom of luoromethane	99%		83-118%
	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC07 Lab Sample ID: FA46136-5

Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 94.2

Project: Oro Grande, Fort Bliss, TX

> File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date 4D2075.D 1 08/04/17 22:11 NG S4D81 07/29/17 08:15 OP66197

Run #1 Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 1.0 ml

Run #2

ABN TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q
95-48-7 87-86-5 95-95-4 88-06-2 106-46-7 121-14-2 118-74-1 87-68-3 67-72-1 98-95-3 110-86-1	2-Methylphenol 0.010 UJ 3&4-Methylphenol 0.020 UJ Pentachlorophenol 0.020 UJ 2,4,5-Trichlorophenol 0.020 UJ 2,4,6-Trichlorophenol 0.020 UJ 1,4-Dichlorobenzene 0.020 U 2,4-Dinitrotoluene 0.010 U Hexachlorobenzene 0.010 U Hexachlorobutadiene Hexachloroethane 0.020 U Nitrobenzene 0.020 U Pyridine 0.035 U	0,010 U 0,020 U 0,020 U 0,020 U 0,020 U 0,020 U 0,010 U 0,010 U 0,020 U 0,020 U 0,035 U	D023 D024 D037 D041 D042 D027 D030 D032 D033 D034 D036	200 200 100 400 2.0 7.5 0.13 0.50 3.0 2.0 5.0	0.050 0.050 0.25 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050	0.010 0.020 0.10 0.020 0.020 0.020 0.010 0.010 0.010 0.020 0.020 0.020	0.0056 0.0098 0.050 0.0074 0.0075 0.0050 0.0081 0.0069 0.0050 0.016 0.0093 0.020	mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l
CAS No.	Surrogate Recoveries  2-Fluorophenol	Run#1	Run# 2	<b>L</b> i	mits 1-67%			8
4165-62-2 118-79-6 4165-60-0 321-60-8 1718-51-0	Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	18% 81% 80% 82% 92%		33 42 40	)-50% 3-118% 2-108% )-106% 3-121%			

(a) Associated BS recovery outside control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC07

Lab Sample ID: FA46136-5 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 94.2

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080586.D 08/03/17 19:31 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run#1 5.76 g 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.5 U 2.5 U 2.5 2.5 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 92% 56-149% 98-08-8 aaa-Trifluorotoluene 93% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





E = Indicates value exceeds calibration range

## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC07

Lab Sample ID: FA46136-5 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 94.2

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date CC055213.D 08/03/17 15:09 MG OP66199 GCC1169 Run #1 07/29/17 12:30

Run #2

Initial Volume Final Volume

Run #1 10.0 ml 5.0 ml

Run #2

#### Herbicide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
94-75-7 93-72-1	2,4-D 2,4,5-TP (Silvex)	0.025 <b>U</b> J 0.0025 <b>U</b> J	0.025 0 0.0025 U	D016 D017	10 1.0	0.0 <b>5</b> 0 0.00 <b>5</b> 0	0.025 0.0025	0.01 <b>7</b> 0.0013	mg/l mg/l
CAS No.	Surrogate Recover	ies	Run#1	Run# 2	Li	mits			
19719-28-9	2,4-DCAA		47%		39	9-135%			

LOD = Limit of Detection

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

J = Indicates an estimated value





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC07

Lab Sample ID: FA46136-5 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 94.2

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85104. D 1 08/02/17 20:23 KL OP66198 GKK2709 Run #1 07/29/17 10:00

Run #2

Initial Volume Final Volume Run #1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

#### Pesticide TCLP Leachate

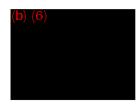
### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL L	OQ 1	LOD	DL	Units	Q
		0.00005 U				<b>.</b> .			
58-89-9	gamma-BHC (Lindane)	0.0 <b>0</b> 00 <b>50</b> U	D013	0.40 0.	00010 (	0.0000 <b>5</b> 0	0.000027	2mg/l	
12789-03-6	Chlordane 0.0	0.00 <b>05 U</b> 0.00 <b>059 U</b>	D020	0.030 0.	0010	0.000 <b>5</b> 0	0.00038	mg/l	
72-20-8	Endrin 0.0	00005 U 0.00 <b>0/5</b> 0 U	D012	0.020 0.	00020	0.0000 <b>5</b> 0	0.00002	1mg/1	
76-44-8	•	00005 U 0.00 <b>/1/5</b> 0 U		0.00800.	00010	0.0000 <b>5</b> 0	0.00002	6mg/l	
1024-57-3	Heptachlor epoxide 0.0	00005 U 0.0 <b>0</b> 00 <b>5</b> 0 U	D031	0.00800.	00010	0.0000 <b>5</b> 0	0.00002	Omg/1	
72-43-5	Methoxychlor 0.00	0010U 0.0001QU	D014	10 0.	00020	0.00010	0.000050	Omg/l	
8001-35-2	Toxaphene 0.00	038 U 00038 U	D015	0.50 0.	0050 (	0.0038	0.0021	mg/l	
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limi	its				
877-09-8	Tetrachloro-m-xylene	98%		42-12	27%				
2051-24-3	Decachlorobiphenyl	110%		27-12	27%				

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC07

Lab Sample ID: FA46136-5 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 94.2

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed Run #1 <sup>a</sup> MM43929.D 07/27/17 16:10 NJ 07/27/17 07:30 OP66167 GMM840

Run #2

Initial Weight Final Volume Run #1  $15.2\,\mathrm{g}$ 5.0 ml

Run #2

### PCB List

CAS No.	Compound	Result	LOQ	LOD	$\mathbf{DL}$	Units	Q
12674-11-2 11104-28-2 11141-16-5	Aroclor 1016 12 U Aroclor 1221 12 U Aroclor 1232 12 U	12 U 12 U 11 U	17 17 17	12 12 12	7.0 8.7 8.7	ug/kg ug/kg ug/kg	
53469-21-9 12672-29-6 11097-69-1	Aroclor 1242 12 U Aroclor 1248 12 U Aroclor 1254 22.7	12 U 12 U 22.7	17 17 17	12 12 12	7. 0 7. 0 7. 0	ug/kg ug/kg ug/kg	
11096-82-5 CAS No.	Aroclor 1260 12 U  Surrogate Recoveries	12 V Run# 1	17 Run# 2	12 Lim	7.0 its	ug/kg	
877-09-8 2051-24-3	Tetrachloro-m-xylene Decachlorobiphenyl	69% 47%			26% 45%		

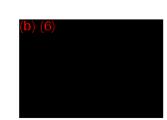
(a) All hits confirmed by dual column analysis.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

J = Indicates an estimated value



## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC07

Lab Sample ID: FA46136-5 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 94.2

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{B}\mathbf{y}$  $\mathbf{DF}$ Prep Date Prep Batch Analytical Batch Analyzed GWW495 WW11628.D 08/09/17 11:05 SJL 07/27/17 08:00 OP66168 Run #1

Run #2

Initial Weight Final Volume

 $20.1\,\mathrm{g}$ Run #1 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> 5.21 J 5.21 TPH (C10-C28) 5.3 2.6 mg/kg 🥒

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 107% 56-122%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





Page 1 of 1

Client Sample ID: T030GL-WC07 Lab Sample ID: FA46136-5 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 94.2

Project: Oro Grande, Fort Bliss, TX

## Metals Analysis, TCLP Leachate SW846 1311

Anal	yte	Result	HW#	MCL	LOQ	LOD	$\mathbf{DL}$	Units	DF	Prep	Analyzed By	Method
Arsenic	0.050 U	Losoft	D004	<b>.</b> 0	0. 10	0.0 <b>5</b> 0	0.013	mg/1	1	07/20/17	0 <b>7</b> /28/17 LM	SW846 6010C <sup>1</sup>
Aisemic	0.050 0	4.0500	D004	3.0	0. 10	0.030	0.013	mg/I	1	07/28/17	07/28/17 LWI	2M840 0010C -
Barium	0.45 J	0.45	D005	100	2.0	0.050	0.050	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Cadmium	$0.010{\rm U}$	0. <b>010</b> T	D006	1.0	0.050	0.010	0.0020	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Chromium	0.050 U	0.0 <b>5</b> 0 T	D007	5.0	0. 10	0.050	0.010	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Lead	0.020 U	0. 🕰 O U	D008	5.0	0.050	0.020	0.011	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Mercury	0.00065	Jo 000065 J	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	07/31/17	07/31/17 JL	SW846 7470A <sup>2</sup>
Selenium	0.050 U	Ø.050 U	D010	1.0	0.10	0.050	0.029	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C <sup>1</sup>
Silver	0.020 U	0.020 V	D011	<b>5</b> . 0	0. 10	0.020	0.0070	mg/l	1	07/28/17	0 <b>7</b> /28/1 <b>7</b> LM	SW846 6010C <sup>1</sup>

(1) Instrument QC Batch: MA14256 (2) Instrument QC Batch: MA14259

(3) Prep QC Batch: MP32514

(4) Prep QC Batch: MP32517



**ACCUTEST** 



Page 1 of 1

 Client Sample ID:
 T030GL-WC07

 Lab Sample ID:
 FA46136-5
 Date Sampled:
 07/25/17

 Matrix:
 SO - Soil
 Date Received:
 07/26/17

 Percent Solids:
 94.2

Project:
Oro Grande, Fort Bliss, TX

### General Chemistry

Analyte	Result	LOQ	LOD	$\mathbf{DL}$	Units	$\mathbf{DF}$	Analyzed	By Method
Corrosivity as pH Cyanide Reactivity Ignitability (Flashpoint) b Solids, Percent Sulfide Reactivity	7.9 1.9 0.79 U 0 79 U > 200 > 200 94.2 942 53 U 53 U	1.6	0.79 <sup>a</sup> 53 <sup>a</sup>	0.79	su mg/kg Deg. F % mg/kg	1 1 1 1	08/02/17 16: 05 08/09/17 14: 45 07/26/17 22: 47	ZC SW846 CHAP7 KH SW846 CHAP7 KH SW846 1010 ZC SM19 2540G CH SW846 CHAP7

- (a) Value reported is laboratory DL (MDL).
- (b) Not ignitable.





LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > DL (MDL) but < LOQ

## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC08

Lab Sample ID: FA46136-6 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 97.7

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date M97893.D 10 OP66200 VM4200 Run #1 08/02/17 17:06 WV 07/31/17 12:30

Run #2

Purge Volume

Run #1  $5.0 \, ml$ 

Run #2

### VOA TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW# MCI	LOQ	LOD	DL	Units Q
71-43-2 78-93-3 56-23-5 108-90-7 67-66-3 106-46-7	Benzene 0.0050 U 2-Butanone (MEK) 0.035 U Carbon Tetrachloride 0.0050U Chlorobenzene 0.0050 U Chloroform 0.0050 U 1,4-Dichlorobenzene 0.0050 U	0,035 J J 0,0050 U 0,0050 U 0,0050 U	D018 0.50 D035 200 D019 0.50 D021 100 D022 6.0 D027 7.5	0.010 0.050 0.010 0.010 0.010 0.010	0.0050 0.035 0.0050 0.0050 0.0050 0.0050	0.0031 0.020 0.0036 0.0020 0.0030 0.0026	mg/l mg/l mg/l mg/l mg/l
107-06-2 75-35-4 127-18-4 79-01-6 75-01-4	1,2-Dichloroethane 0.0050 U 1,1-Dichloroethylene 0.0050 U Tetrachloroethylene 0.0050 U Trichloroethylene 0.0066 J Vinyl Chloride 0.0050 U	0.0050 U 0.0050 U 0.0066	D028 0.50 D029 0.70 D039 0.70 D040 0.50 D043 0.20	0.010 0.010 0.010 0.010 0.010	0.0050 0.0050 0.0050 0.0050 0.0050	0.0031 0.0032 0.0022 0.0035 0.0041	mg/l mg/l mg/l mg/l J mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits			
1868-53-7 17060-07-0 2037-26-5	Dibrom ofluoromethane 1,2-Dichloroethane-D4 Toluene-D8	103% 102% 99%	1	33-118% 79-125% 35-112%			

95%

460-00-4

LOD = Limit of Detection

J = Indicates an estimated value

83-118%

E = Indicates value exceeds calibration range

4-Bromofluorobenzene

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC08

Lab Sample ID: FA46136-6 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 97.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date 7G00156.D 1 08/08/17 20:05 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run #1 100 ml 1.0 ml

Run #2

ABN TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
95-48-7 87-86-5 95-95-4 88-06-2 106-46-7 121-14-2 118-74-1 87-68-3 67-72-1 98-95-3	3&4-Methylphenol Pentachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 1,4-Dichlorobenzene 2,4-Dinitrotoluene Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene	0.020 UJ 0.020 U 0.010 U 0.010 U 0.010 U 0.020 U 0.020 U	0.010 U 0.020 U 0.10 U 0.020 U 0.020 U 0.020 U 0.010 U 0.010 U 0.010 U 0.020 U	D023 D024 D037 D041 D042 D027 D030 D032 D033 D034 D036	200 200 100 400 2.0 7.5 0.13 0.13 0.50 3.0 2.0	0.050 0.050 0.25 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050	0.010 0.020 0.10 0.020 0.020 0.020 0.010 0.010 0.010 0.020 0.020	0.0056 0.0098 0.050 0.0074 0.0075 0.0050 0.0081 0.0069 0.0050 0.016 0.0093	mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l
110-86-1	Pyri dine	0.035 U	0.035 U	D038	5.0	0.10	0.035	0.020	mg/l
CAS No.	Surrogate Recover	ries	Run#1	Run# 2	Li	mits			
367-12-4 4165-62-2	2-Fluorophenol Phenol-d5		23% 12%			I-67% I-50%			
.105-02-2	11101101 045		10,4		- 1				

105%

84%

90%

99%

U = Not detected

118-79-6

4165-60-0

321-60-8

1718-51-0

LOD = Limit of Detection

J = Indicates an estimated value

33-118%

42-108%

40-106%

39-121%

2,4,6-Tribromophenol

Nitrobenzene-d5

2-Fluor obiphenyl

Terphenyl-d14

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC08

Lab Sample ID: FA46136-6 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 97.7

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080587.D 08/03/17 20:01 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot 5.15 g Run#1 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.5 U 2.5 U 5.1 2.5 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 91% 56-149% 98-08-8 aaa-Trifluorotoluene 93% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation

DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC08

Lab Sample ID: FA46136-6 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 97.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date Run #1 Run #2 CC055224.D 08/03/17 18:05 MG OP66234 GCC1169 08/01/17 15:20

Initial Volume Final Volume Run #1 10.0 ml 5.0 ml

Run #2

### Herbicide TCLP Leach ate

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW# MC	L LOQ	LOD	DL	Units Q
94-75-7 93-72-1	2,4-D 0.025 UJ 2,4,5-TP (Silvex) 0.0025 UJ	0.025 U 0.0025 U	D016 10 D017 1.0	0.050 0.0050	0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits			
19719-28-9	2,4-DCAA	52%		39-135%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC08

Lab Sample ID: FA46136-6 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 97.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85181. D 1 08/08/17 14:53 KL OP66233 GKK2713 Run #1 08/01/17 12:30

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 5.0 ml Run #2

#### Pesticide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL LO	OQ LOD	$\mathbf{DL}$	Units	Q
	0.000	050 U 🚶						
58-89-9	gamma-BHC (Lindane)	0.0 <mark>0005</mark> 0 บ	D013	0.40 0.0	0.0000	00.00002	2mg/1	
12789-03-6	Chlordane 0.0005	0.04030 0	D020	0.030 0.0	0.00050	0.00038	mg/l	
72-20-8	Endrin 0.0000	0.0000000	D012	0.020 0.0	0.0000	00.00002	1mg/1	
76-44-8	Heptachlor 0.00005	0 U <sub>_0.00</sub> 050 т	D031	0.0080 0.0	0.0000	00.00002	Smg/l	
1024-57-3	Heptachlor epoxide 0.0000	<sup>50U</sup> 0.000 <mark>05</mark> 0 บ	D031	0.00800.0	0.0000	00.00002	Omg/1	
72-43-5	Methoxychlor 0.00010		D014	10 0.0	00020 0.00010	0.000050	Omg/l	
8001-35-2	Toxaphene 0.00381	J 0.0038 <mark>U</mark>	D015	0.50 0.0	0.0038	0.0021	mg/l	
		1						
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits	s			
877-09-8	Tetrachloro-m-xylene	97%		42-127	7%			
2051-24-3	Decachlorobiphenyl	99%		27-127	7%			

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC08

Lab Sample ID: FA46136-6 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 97.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed MM43930.D 07/27/17 16:22 NJ 07/27/17 07:30 OP66167 GMM840 Run #1

Run #2

Initial Weight Final Volume  $15.1\,\mathrm{g}$ Run#1 5.0 ml

2051-24-3 Decachlorobiphenyl

Run #2

### PCB List

CAS No.	Compound		Result	LOQ	LOD	$\mathbf{DL}$	Units	Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254	12 U 12 U 12 U 12 U 12 U 12 U 12 U	12 U 12 U 12 U 12 U 12 U 12 U	17 17 17 17 17	12 12 12 12 12 12	6.8 8.5 8.5 6.8 6.8	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	
11096-82-5	Aroclor 1260	12 U	12 J	17	12	6.8	ug/kg	
CAS No.	Surrogate Recov	eries	Run#1	Run# 2	Lim	its		
877-09-8	Tetrachloro-m-xy	lene	76%		44-1	26%		

56%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit J = Indicates an estimated value

41-145%

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





E = Indicates value exceeds calibration range

## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC08

Lab Sample ID: FA46136-6 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 97.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed GWW495 WW11629.D 08/09/17 11:34 SJL OP66168 Run #1 07/27/17 08:00

Run #2

Initial Weight Final Volume Run#1  $20.2\,\mathrm{g}$ 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> TPH (C10-C28) a 44.4 J 5.1 3.8 2.5 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 88% 56-122%

(a) Petroleum hydrocarbon pattern extends beyond C28.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation  $\mathtt{DL} = \ \mathtt{Detection} \ \mathtt{Limit}$ 

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





Page 1 of 1

Client Sample ID: T030GL-WC08 Lab Sample ID: FA46136-6 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 97.7

Project: Oro Grande, Fort Bliss, TX

## Metals Analysis, TCLP Leachate SW846 1311

An	alyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
Ar	Senic 0.050U	0.050 U	D004	5.0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>
Bar	ium 0.56J	0.56 J	D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C 2
Ca	dmium 0.0020	<sup>IJ</sup> 0.0020 J	D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Ch	romium 0.050	U <sub>0.050 IJ</sub>	D007	5.0	0. 10	0.050	0.010	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C 2
Lea	ad 0.020 U	0.020 U	D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C 2
Ме	rcury 0.0010	J0,0010 TT	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/17 JL	SW846 7470A <sup>1</sup>
Sel	enium 0.050 l	J 0.050 TJ	D010	1.0	0. 10	0.050	0.029	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C 2
Si1	ver 0.020 U	0.020 U	D011	5.0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C 2

(1) Instrument QC Batch: MA14261 (2) Instrument QC Batch: MA14262 (3) Prep QC Batch: MP32523 (4) Prep QC Batch: MP32524

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ





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## General Chemistry

Analyte	Result	rod	LOD	$\mathbf{DL}$	Units	$\mathbf{DF}$	Analyzed	By Method
	A							
Corrosivity as pH	8.2				Su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0. <i>7</i> 7 ህ ሰ <b>77 ህ</b>	1.5	0.77 <sup>a</sup>	0.77	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) b	> 200 > 200				Deg. F	1	07/27/17 12:30	KH SW846 1010
Solids, Percent	97.7 97				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfi de Reactivity	51 U 5/1 U	51	51 <sup>a</sup>	51	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

(a) Value reported is laboratory DL (MDL).

(b) Not ignitable.





LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > DL (MDL) but < LOQ

## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC09 Lab Sample ID: FA46136-7

Matrix: SO - Soil Method: SW846 8260B SW846 1311 Date Sampled: 07/25/17 Date Received: 07/26/17

Percent Solids: 80.6

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date M97894.D 10 OP66200 VM4200 Run #1 08/02/17 17:29 WV 07/31/17 12:30

Run #2

Purge Volume

Run#1  $5.0 \, ml$ 

VOA TCLP List

Run #2

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q
71-43-2 78-93-3 56-23-5 108-90-7 67-66-3 106-46-7 107-06-2 75-35-4 127-18-4 79-01-6 75-01-4	Benzene 0.446 2-Butanone (MEK) 0.035 U Carbon Tetrachloride 0.0050 U Chlorobenzene 0.0050 U Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene Tetrachloroethylene Trichloroethylene Vinyl Chloride	0,446 0,035 U 0,0050 U 0,0050 U 0,0050 U 0,0050 U 0,0050 U 0,0050 U 0,0050 U 0,0050 U	D018 D035 D019 D021 D022 D027 D028 D029 D039 D040 D043	0.50 200 0.50 100 6.0 7.5 0.50 0.70 0.70 0.50 0.20	0.010 0.050 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010	0.0050 0.035 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	0.0031 0.020 0.0036 0.0020 0.0030 0.0026 0.0031 0.0032 0.0022 0.0035 0.0041	mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Li	mits	0.0050	0.0041	mg/1
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	98% 101% 97% 95%		79 85	3-118% 9-125% 5-112% 3-118%			

LOD = Limit of Detection

E = Indicates value exceeds calibration range

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC09

Lab Sample ID: FA46136-7 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 80.6

Project: Oro Grande, Fort Bliss, TX

File ID DF By Prep Batch Analytical Batch Analyzed Prep Date 7G00159.D 1 08/08/17 22: 04 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run #1 100 ml 1.0 ml Run #2

#### ABN TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	rod	LOD	DL	Units Q
95-48-7	2.	J 0.010 U	D023	200	0.050	0.010	0.00 <b>5</b> 6	mg/l
	3&4-Methylphenol 0.020 U		D024	200	0.050	0.020	0.0098	mg/l
87-86-5	Pentachlorophenol 0.10 UJ	0 10 U	D037	100	0.25	0.10	0.050	mg/l
95-95-4	2,4,5-Trichlorophenol 0.020U	JJD. 020 T	D041	400	0.050	0.020	0.0074	mg/l
88-06-2	2,4,6-Trichlorophenol 0.020U	J.b. 020 T	D042	2.0	0.050	0.020	0.0075	mg/l
106-46-7	1,4-Dichlorobenzene 0.020l	J 0.0 <mark>2</mark> 0 T	D027	7.5	0.050	0.020	0.0050	mg/l
121-14-2	2,4-Dinitrotoluene 0.010L	J 0.0 0 T	D030	0.13	0.050	0.010	0.0081	mg/l
118-74-1	Hexachlorobenzene 0.010L	J 0.01 <mark>0 T</mark>	D032	0.13	0.050	0.010	0.0069	mg/l
87-68-3	Hexachlorobutadiene 0.010	J 0.01 🗗 🛡	D033	0.50	0.050	0.010	0.0050	mg/l
67-72-1	Hexachloroethane 0.020U	। 0.02 <b>0</b> ℧	D034	3.0	0.050	0.020	0.016	mg/l
98-95-3	Nitrobenzene 0.020U	U0.020 ₩	D036	2.0	0.050	0.020	0.0093	mg/l
110-86-1	Pyridine 0.035U	I 0.03 <b>5</b> 🗸	D038	<b>5</b> .0	0.10	0.035	0.020	mg/l
CAS No.	Comments Described	D#1	D #42		mits			
CAS NO.	Surrogate Recoveries	Run#1	Run# 2	Lì	mits			
367-12-4	2-Fluorophenol	21%		14	1-67%			
4165-62-2	Phenol-d5	12%		10	-50%			
118- <b>7</b> 9-6	2,4,6-Tribromophenol	93%		33	3-118%			

76%

80%

90%

U = Not detected

4165-60-0

321-60-8

1718-51-0

LOD = Limit of Detection

J = Indicates an estimated value

42-108%

40-106%

39-121%

E = Indicates value exceeds calibration range

Nitrobenzene-d5

2-Fluor obiphenyl

Terphenyl-d14

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





Page 1 of 1

Client Sample ID: T030GL-WC09

Lab Sample ID: FA46136-7 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids:

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080588.D 08/03/17 20:30 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run#1 5.74 g 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 3.3 U 3.3 3.3 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 92% 56-149% 98-08-8 aaa-Trifluorotoluene 93% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





**ACCUTEST** 

## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC09

Lab Sample ID: FA46136-7 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 80.6

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date CC055229.D 08/03/17 19:24 MG OP66234 GCC1169 Run #1 08/01/17 15:20

Run #2

Initial Volume Final Volume

Run#1 10.0 ml 5.0 ml

Run #2

### Herbicide TCLP Leach ate

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q	
94-75-7	2,4-D	0.025 UJ	0.025 U	D016	10	0.050	0.025	0.017	mg/l	
93-72-1	2,4,5-TP (Silvex)	0.0025 UJ	0.0025 U	D017	1.0	0.0050	0.0025	0.0013	mg/l	
CAS No.	Surrogate Recove	ries	Run#1	Run# 2	Li	mits				

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC09 Lab Sample ID: FA46136-7

Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 80.6

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85184. D 1 08/08/17 15:45 KL OP66233 GKK2713 Run #1 08/01/17 12:30

Run #2

Initial Volume Final Volume Run #1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

#### Pesticide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL LOQ	LOD	DL	Units	Q
58-89-9 12789-03-6 72-20-8 76-44-8 1024-57-3 72-43-5 8001-35-2	gamma-BHC (Lindane)  Chlordane 0.00005  Endrin 0.00005  Heptachlor Heptachlor epoxide Methoxychlor 0.00010  Toxaphene 0.0038	0,000050 U 0 U 0,00050 U 50 U 0,000050 U 0,000050 U 0,000050 U	D020 D012 D031 D031	0.40 0.00010 0.030 0.0010 0.020 0.00020 0.0080 0.00010 10 0.0020 0.50 0.0050	0.00050 0.000050 0.000050 0.000050	00.000022i 0.00038 i 00.000021i 00.000020i 0.000020i 0.000050i	mg/l mg/l mg/l mg/l	
CAS No. 877-09-8 2051-24-3	Surrogate Recoveries  Tetrachloro-m-xylene Decachlorobiphenyl	Run# 1 97% 95%	Run# 2	Limits 42-127% 27-127%				

LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC09

Lab Sample ID: FA46136-7 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 80.6

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed Run #1 <sup>a</sup> MM43937.D 07/27/17 17:43 NJ 07/27/17 07:30 OP66167 GMM840

Run #2

Initial Weight Final Volume  $15.4\,\mathrm{g}$ Run #1 5.0 ml

Run #2

### PCB List

CAS No.	Compound		Result	LOQ	LOD	DL	Units Q
12674-11-2 11104-28-2	Aroclor 1016 Aroclor 1221	14 U 14 U	14 U	20 20	14 14	8. 1 10	ug/kg
	Aroclor 1232 Aroclor 1242	14 U 14 U	14 U	20 20 20	14 14 14	10 10 8. 1	ug/kg ug/kg ug/kg
12672-29-6 11097-69-1	Aroclor 1248 Aroclor 1254	14 U 12.5 J	14 U 12.5	20 20	14 14	8. 1 8. 1	ug/kg ug/kg
11096-82-5	Aroclor 1260	14 U	14 U	20	14	8. 1	ug/kg

CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		44-126%
2051-24-3	Decachlorobiphenyl	60%		41-145%

(a) All hits confirmed by dual column analysis.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit J = Indicates an estimated value B = Indicates analyte found in associated method blank

## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC09

Lab Sample ID: FA46136-7 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids:

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed GWW495 WW11630.D 08/09/17 12:02 SJL 07/27/17 08:00 OP66168 Run #1

Run #2

Initial Weight Final Volume Run #1  $20.7\,\mathrm{g}$ 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> TPH (C10-C28) a 6.0 3.0 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 120% 56-122%

(a) Petroleum hydrocarbon pattern extends beyond C28.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation  $\mathtt{DL} = \ \mathtt{Detection} \ \mathtt{Limit}$ 

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





Page 1 of 1

Client Sample ID: T030GL-WC09 Lab Sample ID: FA46136-7 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 80.6

Project: Oro Grande, Fort Bliss, TX

## Metals Analysis, TCLP Leachate SW846 1311

Ana	lyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed	Ву	Method
Arse	nic 0.050 U	0.050 U	D004	5.0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Bari	um 0.28 J	0.28 J	D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Cad	nium <sup>0.0030</sup>	0.0030 J	D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Chro	mium 0.050	U <sub>0.050.T</sub>	D007	5.0	0.10	0.050	0.010	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Lead	1 0.020 L	0.020 TJ	D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Mer	cury 0.0010 l	0,0010 IJ	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/17	ЛL	SW846 7470A <sup>1</sup>
Sele	nium 0.050 L	0.050 U	D010	1.0	0. 10	0.050	0.029	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Silve	er 0.020 L	0.020 T	D011	5.0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>

(1) Instrument QC Batch: MA14261 (2) Instrument QC Batch: MA14262 (3) Prep QC Batch: MP32523 (4) Prep QC Batch: MP32524

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ





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 Client Sample ID:
 T030GL-WC09

 Lab Sample ID:
 FA46136-7
 Date Sampled:
 07/25/17

 Matrix:
 SO - Soil
 Date Received:
 07/26/17

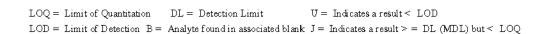
 Project:
 Oro Grande, Fort Bliss, TX

### General Chemistry

Analyte		Result	LOQ	LOD	$\mathbf{DL}$	Units	DF	Analyzed	By Method
		1							
Corrosivity as pH	8.1	<b>å</b> 1				su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0.92 U	0.92 U	1.9	0.92 a	0.92	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) b	> 200	> 200				Deg. F	1	08/09/17 14:45	KH SW846 1010
Solids, Percent	80.6	80.6				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfi de Reacti vity	62 U	62 t	62	62 <sup>a</sup>	62	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

(a) Value reported is laboratory DL (MDL).

(b) Not ignitable.







## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC10 Lab Sample ID: FA46136-8

Matrix: SO - Soil Method: SW846 8260B SW846 1311 Date Sampled: 07/25/17 Date Received: 07/26/17

Percent Solids: 95.9

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date M97895.D 10 OP66200 VM4200 Run #1 08/02/17 17:54 WV 07/31/17 12:30

Run #2

Purge Volume

Run #1  $5.0 \, ml$ 

VOA TCLP List

Run #2

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
71-43-2	Benzene 0.0050	U	0.00 <b>5</b> 0 U	D018	0.50	0.010	0.0050	0.0031	mg/l
78-93-3	2-Butanone (MEK) 0.035	U	0.035 U	D035	200	0.050	0.035	0.020	mg/l
56-23-5	Carbon Tetrachloride 0.005	60 UJ	0.00 <b>5</b> 0 U	D019	0.50	0.010	0.0050	0.0036	mg/l
108-90-7	Chlorobenzene 0.005	50 U	0.00 <b>5</b> 0 U	D021	100	0.010	0.0050	0.0020	mg/l
67-66-3	Chloroform		0.00 <b>5</b> 0 U	D022	6.0	0.010	0.0050	0.0030	mg/l
106-46-7	1,4-Dichlorobenzene		0.00 <b>5</b> 0 U	D027	7.5	0.010	0.0050	0.0026	mg/l
107-06-2	1,2-Dichloroethane		0.00 <b>5</b> 0 U	D028	0.50	0.010	0.0050	0.0031	mg/l
75-35-4	1,1-Dichloroethylene		0.00 <b>5</b> 0 U	D029	0.70	0.010	0.0050	0.0032	mg/l
127-18-4	Tetrachloroethylene		0.00 <b>5</b> 0 U	D039	0.70	0.010	0.0050	0.0022	mg/l
79-01-6	Trichloroethylene		0.00 <b>5</b> 0 U	D040	0.50	0.010	0.00 <b>5</b> 0	0.0035	mg/l
75-01-4	Vinyl Chloride	/	0.00 <b>5</b> 0 U	D043	0.20	0.010	0.0050	0.0041	mg/l
CAS No.	Surrogate Recoveries		Run#1	Run# 2	Li	mits			
1868-53-7	Dibromofluoromethane		102%		83	3-118%			
17060-07-0	1,2-Dichloroethane-D4		104%		79	-125%			
2037-26-5	Toluene-D8		100%		85	5-112%			
460-00-4	4-Bromofluorobenzene		95%		83	3-118%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC10

Lab Sample ID: FA46136-8 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 95.9

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date 7G00160.D 1 08/08/17 22:43 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run #1  $100 \, \mathrm{ml}$ 1.0 ml

Run #2

#### ABN TCLP List TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units
95-48-7	2-Methylphenol	0.010UJ 0.010 p	D023	200	0.050	0.010	0.00 <b>5</b> 6	mg/l
	3&4-Methylphenol	0.020UJ 020 U	D024	200	0.050	0.020	0.0098	mg/l
87-86-5	Pentachlorophenol	0.10UJ 0 10 p	D037	100	0.25	0.10	0.050	mg/l
95-95-4	2,4,5-Trichlorophenol	0.020UJ 0.02∮ U	D041	400	0.050	0.020	0.0074	mg/l
88-06-2	2,4,6-Trichlorophenol	0.020UJ o. d2b ซ	D042	2.0	0.050	0.020	0.0075	mg/l
106-46-7	1,4-Dichlorobenzene	<b>0.020 U</b> 0.0 <b>0</b> บ	D027	7.5	0.050	0.020	0.0050	mg/l
121-14-2	2,4-Dinitrotoluene	<b>0.010 U</b> 0.0 <mark>1</mark> 0 ซ	D030	0.13	0.050	0.010	0.0081	mg/l
118-74-1	Hexachlorobenzene	0.010 U 0.010 U	D032	0.13	0.050	0.010	0.0069	mg/l
87-68-3	Hexachlorobutadiene	0.010 U 0.010 U	D033	0.50	0.050	0.010	0.0050	mg/l
67-72-1	Hexachloroethane	0.020 U 0 020 U	D034	3.0	0.050	0.020	0.016	mg/l
98-95-3	Nitrobenzene	0.020 U d 020 V	D036	2.0	0.050	0.020	0.0093	mg/l
110-86-1	Pyridine	0.035 U 0.035 tr	D038	5.0	0.10	0.035	0.020	mg/l

CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits
367-12-4	2-Fluorophenol	23%		14-67%
4165-62-2	Phenol-d5	13%		10-50%
118-79-6	2,4,6-Tribromophenol	98%		33-118%
4165-60-0	Nitrobenzene-d5	80%		42-108%
321-60-8	2-Fluorobiphenyl	86%		40-106%
1718-51-0	Terphenyl-d14	93%		39-121%

LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC10

Lab Sample ID: FA46136-8 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 95.9

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080589.D 08/03/17 20:59 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot 5.97 g Run#1 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.3 U 2.3 U 2.3 2.3 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 92% 56-149% 98-08-8 aaa-Trifluorotoluene 92% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation E = Indicates value exceeds calibration range

DL = Detection Limit

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound

J = Indicates an estimated value





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC10

Lab Sample ID: FA46136-8 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 95.9

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date CC055230.D 08/03/17 19:40 MG OP66234 GCC1169 Run #1 08/01/17 15:20

Run #2

Initial Volume Final Volume Run#1 10.0 ml 5.0 ml

Run #2

#### Herbicide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	$\mathbf{DL}$	Units Q
94-75-7 93-72-1	2,4-D 2,4,5-TP (Silvex)	0.025 UJ 0.0025 UJ	0.025 U 0.0025 U	D016 D017	10 1.0	0.050 0.0050	0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recove	ries	Run#1	Run# 2	Li	imits			
19719-28-9	2,4-DCAA		50%		39	9-135%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC10

Lab Sample ID: FA46136-8 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 95.9

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85185. D 1 08/08/17 16:03 KL OP66233 GKK2713 Run #1 08/01/17 12:30

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

#### Pesticide TCLP Leachate

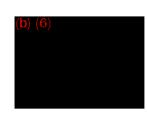
### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL LOQ	LOD	DL	Units	Q
58-89-9 12789-03-6 72-20-8 76-44-8 1024-57-3 72-43-5 8001-35-2	gamma-BHC (Lindane)           Chlordane         0.0000           Endrin         0.0000           Heptachlor         0.0000           Methoxychlor         0.000	50 U 0.000050 T 50 U 0.000050 T 550 U 0.000050 T	D020 D012 D031 D031 D014	0.030 0.0010 0.020 0.00020 0.0080 0.00010 0.0080 0.00010	0.00050 0.000050 0.000050 0.000050	00.00002 0.00038 00.00002 00.00002 0.00002 0.00005	mg/l 1mg/l 6mg/l 0mg/l	
CAS No. 877-09-8 2051-24-3	Surrogate Recoveries  Tetrachloro-m-xylene Decachlorobiphenyl	Run# 1 94% 87%	Run# 2		0.0036	0.0021	mg/I	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC10

Lab Sample ID: FA46136-8 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 95.9

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed Run #1 MM43938.D 07/27/17 17:55 NJ 07/27/17 07:30 OP66167 GMM840

Run #2

Initial Weight Final Volume Run#1 15.6 g 5.0 ml

2051-24-3 Decachlorobiphenyl

Run #2

### PCB List

CAS No.	Compound		Result	LOQ	LOD	$\mathbf{DL}$	Units	Q
			1					
12674-11-2	Aroclor 1016	12 U	2 U	17	12	6.7	ug/kg	
11104-28-2	Aroclor 1221	12 U	12 U	17	12	8. 4	ug/kg	
11141-16-5	Aroclor 1232	12 U	1 <b>1</b> U	17	12	8.4	ug/kg	
53469-21-9	Aroclor 1242	12 U	12 U	17	12	6.7	ug/kg	
12672-29-6	Aroclor 1248	12 U	12 U	17	12	6.7	ug/kg	
11097-69-1	Aroclor 1254	12 U	12 U	17	12	6.7	ug/kg	
11096-82-5	Aroclor 1260	12 U	12 V	17	12	6.7	ug/kg	
			1					
CAS No.	Surrogate Recover	ries	Run#1	Run# 2	Lim	its		
877-09-8	Tetrachloro-m-xyle	ne	76%		44-1	26%		

58%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

41-145%

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC10

Lab Sample ID: FA46136-8 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 95.9

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed GWW495 WW11631.D 08/09/17 12:31 SJL 07/27/17 08:00 OP66168 Run #1

Run #2

Initial Weight Final Volume  $20.5\,\mathrm{g}$ Run#1 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> 7.30 J 7.30 TPH (C10-C28) a 5.1 3.8 2.5 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 100% 56-122%

(a) Petroleum hydrocarbon pattern extends beyond C28.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation E = Indicates value exceeds calibration range

DL = Detection Limit

J = Indicates an estimated value B = Indicates analyte found in associated method blank





# 4

## Report of Analysis

Page 1 of 1

 Client Sample ID:
 T030GL-WC10

 Lab Sample ID:
 FA46136-8

 Matrix:
 SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 95.9

Project: Oro Grande, Fort Bliss, TX

## Metals Analysis, TCLP Leachate SW846 1311

Analyte Res	alt HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed	Ву	Method
Arsenic 0.050 U 0.0	50 U D004	5.0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Barium 0.52 J 0.53	2J D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Cadmium <sup>0.0020</sup> J <sub>0.00</sub>	020 J D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Chromium 0.050 U	50 U D007	5.0	0.10	0.050	0.010	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Lead 0.020 U 0.00	20 U D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Mercury0,0010 U 0.0	010 U D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/17	ЛL	SW846 7470A <sup>1</sup>
Selenium 0.050 U 0.0	50 U D010	1.0	0.10	0.050	0.029	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Silver 0.020 U 0.00	20 U D011	5.0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>

Instrument QC Batch: MA14261
 Instrument QC Batch: MA14262
 Prep QC Batch: MP32523
 Prep QC Batch: MP32524

 $LOQ = Limit of \ Quantitation \qquad \qquad DL = \ Detection \ Limit \qquad \qquad U = \ Indicates \ a \ result < \ LOD$ 

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ





Page 1 of 1

 Client Sample ID:
 T030GL-WC10

 Lab Sample ID:
 FA46136-8
 Date Sampled:
 07/25/17

 Matrix:
 SO - Soil
 Date Received:
 07/26/17

 Project:
 Oro Grande, Fort Bliss, TX
 Percent Solids:
 95.9

## General Chemistry

Analyte		Result	rod	LOD	DL	Units	DF	Analyzed	By Method
Corrosivity as pH	8.0	8.0				su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0.78U	o 78 U	1.6	0.78 <sup>a</sup>	0. <b>7</b> 8	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) b	> 200	> 200				Deg. F	1	07/27/17 12:30	KH SW846 1010
Solids, Percent	95.9	95.9				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfide Reactivity	52 U	52 t	52	52 a	52	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

- (a) Value reported is laboratory DL (MDL).
- (b) Not ignitable.





LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > DL (MDL) but < LOQ

## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC11

Lab Sample ID: FA46136-9 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 87.1

Project: Oro Grande, Fort Bliss, TX

 $\mathbf{B}\mathbf{y}$ File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date M97896.D 10 08/02/17 18:18 WV OP66200 VM4200 Run #1 07/31/17 12:30

Run #2

Purge Volume

Run#1  $5.0 \, ml$ 

Run #2

#### VOA TCLP List TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	$\mathbf{MCL}$	LOQ	LOD	DL	Units Q
71-43-2	Benzene 0.0050 U	0.0050 🌃	D018	0.50	0.010	0.0050	0.0031	mg/l
78-93-3	2-Butanone (MEK) 0.035 U	035 T	D035	200	0.050	0.035	0.020	mg/l
56-23-5	Carbon Tetrachloride 0.0050 UJ	0.00 <b>50</b> U	D019	0.50	0.010	0.0050	0.0036	mg/l
108-90-7	Chlorobenzene 0.0050 U	0. <b>0050</b> T	D021	100	0.010	0.0050	0.0020	mg/l
67-66-3	Chloroform	0.00 <b>1</b> 0 U	D022	6.0	0.010	0.0050	0.0030	mg/l
106-46-7	1,4-Dichlorobenzene	0.0 <b>5</b> 0 T	D027	7.5	0.010	0.0050	0.0026	mg/l
107-06-2	1,2-Dichloroethane	0.00 <b>1</b> 0 U	D028	0.50	0.010	0.0050	0.0031	mg/l
75-35-4	1,1-Dichloroethylene	0. <b>0</b> 050 T	D029	0.70	0.010	0.0050	0.0032	mg/l
127-18-4	Tetrachloroethylene	0 <b>0050</b> U	D039	0.70	0.010	0.0050	0.0022	mg/l
79-01-6	Trichloroethylene	0.00 <b>5</b> 0 U	D040	0.50	0.010	0.0050	0.0035	mg/l
75-01-4	Vinyl Chloride	0.0050 🔻	D043	0.20	0.010	0.0050	0.0041	mg/l
	•							
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Li	mits			
1868-53-7	Dibrom of luoromethane	94%		83	3-118%			
17060-07-0	1,2-Dichloroethane-D4	101%		79	-125%			
2037-26-5	Toluene-D8	100%		85	5-112%			
460-00-4	4-Bromofluorobenzene	99%		83	3-118%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Q

Client Sample ID: T030GL-WC11

Lab Sample ID: FA46136-9 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 87.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Batch Analytical Batch Analyzed Prep Date 7G00161.D 1 08/08/17 23:22 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 1.0 ml

Run #2

ABN TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOÓ	LOD	DL	Units
95-48-7	- · · · · · · · · · · · · · · · · · · ·	.010UJ .020UJ	0.010 ซ 0.020 ซ	D023	200 200	0.0 <b>5</b> 0 0.0 <b>5</b> 0	0.010 0.020	0.00 <b>5</b> 6 0.0098	mg/l mg/l
87-86-5	Pentachlorophenol 0	).10UJ	d 10 U	D037	100	0.25	0.10	0.050	mg/l
95-95-4	2,4,5-Trichlorophenol 0	0.020UJ	0.020 U	D041	400	0.050	0.020	0.0074	mg/l
88-06-2	2,4,6-Trichlorophenol 0	0.020UJ	0. <b>2</b> 0 T	D042	2.0	0.050	0.020	0.0075	mg/l
106-46-7	1,4-Dichlorobenzene 0	.020 <b>U</b>	0. <b>02</b> 0 T	D027	7.5	0.050	0.020	0.0050	mg/l
121-14-2	2,4-Dinitrotoluene 0.	.010 U	0.0 O U	D030	0.13	0.050	0.010	0.0081	mg/l
118-74-1	Hexachlorobenzene		0.010 T	D032	0.13	0.050	0.010	0.0069	mg/l
87-68-3	Hexachlorobutadiene	$\Psi$	0.01 <b>0</b> U	D033	0.50	0.050	0.010	0.0050	mg/l
67-72-1	Hexachloroethane 0.	.020 U	0.020 U	D034	3.0	0.050	0.020	0.016	mg/l
98-95-3	Nitrobenzene	$\mathbf{L}$	0.020 U	D036	2.0	0.050	0.020	0.0093	mg/l
110-86-1	Pyridine 0.	.035 U	0.035 🔻	D038	<b>5</b> . 0	0.10	0.035	0.020	mg/l
CAS No.	Surrogate Recoveries		Run#1	Run# 2	Li	mits			

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%		14-67%
4165-62-2	Phenol-d5	11%		10-50%
118-79-6	2,4,6-Tribromophenol	101%		33-118%
4165-60-0	Nitrobenzene-d5	80%		42-108%
321-60-8	2-Fluorobiphenyl	85%		40-106%
1718-51-0	Terphenyl-d14	99%		39-121%

LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC11

Lab Sample ID: FA46136-9 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 87.1

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080593.D 08/03/17 22:57 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot 5.75 g Run #1 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.9 U 2.9 U 2.9 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

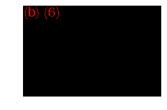
460-00-4 4-Bromofluorobenzene 91% 56-149% 98-08-8 aaa-Trifluorotoluene 93% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC11

Lab Sample ID: FA46136-9 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 87.1

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date CC055231.D 08/03/17 19:56 MG OP66234 GCC1169 Run #1 08/01/17 15:20

Run #2

Initial Volume Final Volume

Run #1 10.0 ml 5.0 ml

Run #2

### Herbicide TCLP Leachate

### TCLP Leachate method SW846 1311

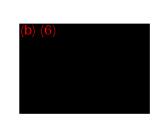
CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
94-75-7 93-72-1	2,4-D 2,4,5-TP (Silvex)	0.025 UJ 0.0025 UJ	0.025 U 0.0025 U	D016 D017		0.0 <b>5</b> 0 0.00 <b>5</b> 0	0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recov	eries	Run#1	Run# 2	Li	imits			
19719-28-	9 2,4-DCAA		45%		39	9-135%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC11

Lab Sample ID: FA46136-9 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 87.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85186. D 1 08/08/17 16:20 KL OP66233 GKK2713 Run #1 08/01/17 12:30

Run #2

Initial Volume Final Volume Run #1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

### Pesticide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL LOQ	LOD DL Units Q
58-89-9 12789-03-6 72-20-8 76-44-8 1024-57-3 72-43-5 8001-35-2	gamma-BHC (Lindane)  Chlordane 0.00050 U  Endrin 0.00050 U  Heptachlor Heptachlor epoxide  Methoxychlor 0.00010 U  Toxaphene 0.0038 U	0,000050 U 0,00050 U 0,000050 U 0,000050 U 0,000050 U 0,00010 U 0,00018 U	D031 D031	0.40 0.00010 0.030 0.0010 0.020 0.00020 0.0080 0.00010 0.0080 0.00010 10 0.00020 0.50 0.0050	0.0000500.000022mg/l 0.00050 0.00038 mg/l 0.000500.000021mg/l 0.0000500.000026mg/l 0.0000500.000020mg/l 0.00010 0.000050mg/l 0.0038 0.0021 mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits	
877-09-8 2051-24-3	Tetrachloro-m-xylene Decachlorobiphenyl	101% 90%		42-127% 27-127%	

LOD = Limit of Detection

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC11

Lab Sample ID: FA46136-9 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 87.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed Run #1 <sup>a</sup> MM43970.D 07/31/17 12:00 NJ 07/27/17 07:30 OP66167 GMM841

Run #2

Initial Weight Final Volume  $15.7\,\mathrm{g}$ Run #1 5.0 ml

Run #2

### PCB List

CAS No.	Compound		Result	LOQ	LOD	DL	Units	Q
			1					
12674-11-2	Aroclor 1016	13 U	13 U	18	13	7.3	ug/kg	
11104-28-2	Aroclor 1221	13 U	1 <b>8</b> U	18	13	9. 1	ug/kg	
11141-16-5	Aroclor 1232	13 U	11 U	18	13	9. 1	ug/kg	
53469-21-9	Aroclor 1242	13 U	13 U	18	13	7.3	ug/kg	
12672-29-6	Aroclor 1248	13 U	13 U	18	13	7.3	ug/kg	
11097-69-1	Aroclor 1254	9.5 J	9.5	18	13	7. 3	ug/kg	1
11096-82-5	Aroclor 1260	13 U	13 🛡	18	13	7.3	ug/kg	
			- 1					
CAS No.	Surrogate Recov	eries	Run#1	Run# 2	Lim	its		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		44-126%
2051-24-3	Decachlorobiphenyl	43%		41-145%

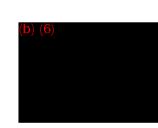
(a) All hits confirmed by dual column analysis.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC11

Lab Sample ID: FA46136-9 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 87.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed GWW495 WW11632.D 4 08/09/17 13:00 SJL 07/27/17 08:00 OP66168 Run #1

Run #2

Initial Weight Final Volume  $20.3\,\mathrm{g}$ Run #1 1.0 ml Run #2

CAS No. Compound Result LOQ LOD DLUnits 9.85 J 98.5 TPH (C10-C28) a 11 mg/kg CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 108% 56-122%

(a) Petroleum hydrocarbon pattern extends beyond C28.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation E = Indicates value exceeds calibration range

DL = Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC11 Lab Sample ID: FA46136-9 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 87.1

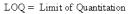
Oro Grande, Fort Bliss, TX Project:

### Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
Arsenic 0.050 t	J 050 tr	D004	<b>5</b> .0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>
Barium 0.81 J	0.81.1	D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Cadmium0.0020		D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>
Chromium <sup>0.050</sup>	<sup>)∪</sup> 0.0 <b>0</b> 0 ℧	D007	5.0	0.10	0.050	0.010	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Lead 0.020 U	0.0 <b>2</b> 0 U	D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>
Mercury 0.00101	− ت ۱0 و 0 و .0 و	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/1 <b>7</b> Л	SW846 7470A <sup>1</sup>
Selenium 0.050	u 0 <b>.</b> 050 😈	D010	1.0	0. 10	0.050	0.029	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Silver 0.020 t	0.020 ل 🕽 ل	D011	5.0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>

(1) Instrument QC Batch: MA14261 (2) Instrument QC Batch: MA14262 (3) Prep QC Batch: MP32523 (4) Prep QC Batch: MP32524





 $\mathrm{DL} = \mathrm{Detection\ Limit}$ 

U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC11 Lab Sample ID: FA46136-9 **Date Sampled:** 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Percent Solids: 87.1 Oro Grande, Fort Bliss, TX Project:

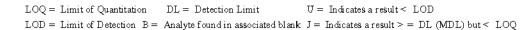
### General Chemistry

Analyte	Result	LOQ	LOD	$\mathbf{DL}$	Units	$\mathbf{DF}$	Analyzed	By Method
C	7.1 7.1				Su	1	09/04/17 10:20	ZC SW846 CHAP7
Corrosivity as pH Cyanide Reactivity	0.86U 86 U	1.7	0.86 a	0.86	mg/kg	1		KH SW846 CHAP7
Ignitability (Flashpoint) b	> 200 > 200	1. /	0.80	0. 60	Deg. F	1		KH SW846 1010
Solids. Percent	87.1 87.1				Meg. 1	1		ZC SM19 2540G
Sulfide Reactivity	57 U 57 U	57	57 a	57	mg/kg	1		CH SW846 CHAP7
Sulfide Reactivity	3/ 0 3/ 4	31	31	31	mg/kg	1	07720717 10.32	CH 3W040 CHAF

<sup>(</sup>a) Value reported is laboratory DL (MDL).







<sup>(</sup>b) Not ignitable.

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12

Lab Sample ID: FA46136-10 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 97.6

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Batch Analytical Batch Analyzed Prep Date M97897.D 10 08/02/17 18:42 WV OP66200 VM4200 Run #1 07/31/17 12:30

Run #2

Purge Volume

Run #1  $5.0 \, ml$ 

Run #2

### VOA TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q
71-43-2	Benzene 0.0050 U	b.0050 U	D018	0.50	0.010	0.0050	0.0031	mg/l
78-93-3	2-Butanone (MEK) 0.035 U	035 U	D035	200	0.050	0.035	0.020	mg/l
56-23-5	Carbon Tetrachloride 0.0050UJ	0.00 <b>5</b> 0 U	D019	0.50	0.010	0.0050	0.0036	mg/l
108-90-7	Chlorobenzene 0.0050 U	0. 050 T	D021	100	0.010	0.0050	0.0020	mg/l
67-66-3	Chloroform	0.0 <b>05</b> 0 U	D022	6.0	0.010	0.00 <b>5</b> 0	0.0030	mg/l
106-46-7	1,4-Dichlorobenzene	0.00 <b>5</b> 0 U	D027	7.5	0.010	0.0050	0.0026	mg/l
107-06-2	1,2-Dichloroethane	0.00 <b>1</b> 0 U	D028	0.50	0.010	0.0050	0.0031	mg/l
75-35-4	1,1-Dichloroethylene	0.0050 ប	D029	0.70	0.010	0.0050	0.0032	mg/l
127-18-4	Tetrachloroethylene	0.00 <b>50</b> U	D039	0.70	0.010	0.0050	0.0022	mg/l
79-01-6	Trichloroethylene	0.00 <b>5</b> 0 🗸	D040	0.50	0.010	0.0050	0.0035	mg/l
75-01-4	Vinyl Chloride	0.00 <b>5</b> 0 t	D043	0.20	0.010	0.0050	0.0041	mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Li	mits			
1868-53-7	Dibrom of luoromethane	101%		83	3-118%			
17060-07-0	1,2-Dichloroethane-D4	104%		79	-125%			
2037-26-5	Toluene-D8	102%		85	5-112%			
460-00-4	4-Bromofluorobenzene	95%		83	3-118%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12

Lab Sample ID: FA46136-10 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 97.6

Project: Oro Grande, Fort Bliss, TX

 $\mathbf{B}\mathbf{y}$ File ID  $\mathbf{DF}$ Prep Date Prep Batch Analytical Batch Analyzed 7G00162.D 1 08/09/17 00:00 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 1.0 ml Run #2

ABN TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW# MCL	LOQ 1	LOD	DL	Units Q
95-48-7 87-86-5 95-95-4 88-06-2 106-46-7 121-14-2 118-74-1 87-68-3 67-72-1 98-95-3	2-Methylphenol 0.010UJ 3&4-Methylphenol 0.020UJ Pentachlorophenol 0.020UJ 2,4,5-Trichlorophenol 0.020UJ 2,4,6-Trichlorophenol 0.020UJ 1,4-Dichlorobenzene 0.020U 2,4-Dinitrotoluene Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene		D024 200 D037 100 D041 400 D042 2.0 D027 7.5 D030 0.13 D032 0.13 D033 0.50 D034 3.0	0.050 (0.	0.010 0.020 0.10 0.020 0.020 0.020 0.010 0.010 0.010 0.020	0.0056 0.0098 0.050 0.0074 0.0075 0.0050 0.0081 0.0069 0.0050 0.016	mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l
98-93-3 110-86-1	Pyridine 0.035 U	0.020 U			0.020 0.03 <b>5</b>	0.0093	mg/l mg/l
CAS No.	Surrogate Recoveries	Run#1	Run#2 Lin	nits			
367-12-4	2-Fluor ophenol	24%	14-	67%			
4165-62-2	Phenol-d5	13%	10-	50%			
118- <b>7</b> 9-6	2,4,6-Tribromophenol	106%	33-	118%			
4165-60-0	Nitrobenzene-d5	87%	42-	108%			
321-60-8	2-Fluorobiphenyl	91%	40-	106%			
1718-51-0	Terphenyl-d14	100%	39-	121%			

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12

Lab Sample ID: FA46136-10 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 97.6

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080594.D 08/03/17 23:26 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run#1 5.79 g 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.3 U 2.3 U 2.3 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 91% 56-149% 98-08-8 aaa-Trifluorotoluene 93% 66-132%

LOQ = Limit of Quantitation DL = Detection LimitE = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



**ACCUTEST** 

U = Not detected LOD = Limit of Detection

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12

 Lab Sample ID:
 FA46136-10
 Date Sampled:
 07/25/17

 Matrix:
 SO - Soil
 Date Received:
 07/26/17

 Method:
 SW846 8151A
 SW846 3510C
 Percent Solids:
 97.6

Project: Oro Grande, Fort Bliss, TX

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 CC055232.D
 1
 08/03/17 20:12 MG
 08/01/17 15:20
 OP66234
 GCC1169

Run #2

Initial Volume Final Volume

Run #1 10.0 ml 5.0 ml

Run #2

### Herbicide TCLP Leach ate

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW# M	CL LOO	LOD	DL	Units Q
94-75-7 93-72-1	2,4-D 0.025 UJ 2,4,5-TP (Silvex) 0.0025 UJ	0.025 U 0.0025 U	D016 10		0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits			
19719-28-9	2,4-DCAA	41%		39-135%			

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR E = Indicates value exceeds calibration range

 $MCL = Maximum \ Contamination \ Level \ (40 \ CFR \ 261 \ 7/1/11) \quad B = Indicates \ analyte \ found in \ associated \ method \ blank \ and \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ analyt$ 





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12 Lab Sample ID: FA46136-10

Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 97.6

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85187. D 1 08/08/17 16:37 KL OP66233 GKK2713 Run #1 08/01/17 12:30

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

### Pesticide TCLP Leachate

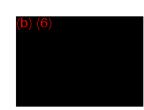
### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL LOQ	LOD DL Units Q
58-89-9 12789-03-6 72-20-8 76-44-8 1024-57-3 72-43-5 8001-35-2	gamma-BHC (Lindane)  Chlordane 0.00050 U  Endrin 0.00050 U  Heptachlor Heptachlor epoxide  Methoxychlor 0.00010 U  Toxaphene 0.0038 U	0,000050 U 0.00050 U 0.00050 U 0.000050 U 0.000050 U 0.00010 U 0.00018 U	D013 D020 D012 D031 D031 D014 D015	0.40 0.00010 0.030 0.0010 0.020 0.00020 0.0080 0.00010 0.0080 0.00010 10 0.00020 0.50 0.0050	0.0000500.000022mg/l 0.00050 0.00038 mg/l 0.0000500.000021mg/l 0.0000500.000026mg/l 0.0000500.000020mg/l 0.00010 0.000050mg/l 0.0038 0.0021 mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits	
877-09-8 2051-24-3	Tetrachloro-m-xylene Decachlorobiphenyl	94% 81%		42-127% 27-127%	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12 Lab Sample ID: FA46136-10

Matrix: SO - Soil Method: SW846 8082A SW846 3546 Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 97.6

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed Run #1 <sup>a</sup> MM43940.D 5 07/27/17 18:18 NJ 07/27/17 07:30 OP66167 GMM840

Run #2

Initial Weight Final Volume  $15.1\,\mathrm{g}$ Run#1 5.0 ml

Run #2

### PCB List

CAS No.	Compound		Result	rod	LOD	DL	Units	Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	59 U 59 U 59 U 59 U 59 U 59 U 59 U	59 U 19 U 59 U 53 U 59 U 59 U	85 85 85 85 85 85 85	59 59 59 59 59 59 59	34 42 42 34 34 34 34	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	
CAS No.	Surrogate Recover	ries	Run#1	Run# 2	Lim	its		
877-09-8 2051-24-3	Tetrachloro-m-xyle Decachlorobipheny		62% 48%		44-1 41-1	+		

(a) Dilution required due to matrix interference.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection LimitE = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12

Lab Sample ID: FA46136-10 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 97.6

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed GWW495 WW11633.D 4 08/09/17 13:29 SJL OP66168 Run #1 07/27/17 08:00

Run #2

Initial Weight Final Volume Run#1 20.6 g 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> 93.0 J 93.0 TPH (C10-C28) a 9.9 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 99% 56-122%

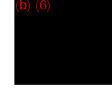
(a) Petroleum hydrocarbon pattern extends beyond C28.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12 Lab Sample ID: FA46136-10 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17

Percent Solids: 97.6

Project: Oro Grande, Fort Bliss, TX

### Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed	Ву	Method
Arsenic 0.050 U	0.050 U	D004	5.0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Barium 0.57 J	0.57 J	D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Cadmium 0.0060 J	0.0060 J	D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Chromium 0.050 U	0.050 U	D007	5.0	0.10	0.050	0.010	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Lead 0.020 U	0.020 U	D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Mercury 0.0010 U	0.0010 U	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/17	几	SW846 7470A <sup>1</sup>
Selenium 0.050 U		D010	1.0	0. 10	0.050	0.029	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
	0.020 U	D011	5.0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>

(1) Instrument QC Batch: MA14261 (2) Instrument QC Batch: MA14262 (3) Prep QC Batch: MP32523 (4) Prep QC Batch: MP32524

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ



LOQ = Limit of Quantitation

DL = Detection Limit

U = Indicates a result < LOD

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC12 Lab Sample ID: FA46136-10 **Date Sampled:** 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Percent Solids: 97.6 Oro Grande, Fort Bliss, TX Project:

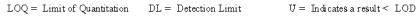
### General Chemistry

Analyte		Result	LOQ	LOD	$\mathbf{DL}$	Units	DF	Analyzed	By Method
		A.							
Corrosivity as pH	8.0	<b>k</b> .0				su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyani de Reacti vity	0.77U	ט 77 ס	1.5	0. <b>77</b> a	0. <b>77</b>	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) <sup>b</sup>	> 200	> 200				Deg. F	1	08/09/17 14:45	KH SW846 1010
Solids, Percent	97.6	97. d				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfide Reactivity	51 U	51 U	51	51 <sup>a</sup>	51	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

<sup>(</sup>a) Value reported is laboratory DL (MDL).







LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

<sup>(</sup>b) Not ignitable.

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC13 Lab Sample ID: FA46136-11

Matrix: SO - Soil Method: SW846 8260B SW846 1311 Date Sampled: 07/25/17 Date Received: 07/26/17

Percent Solids: 95.3

Project: Oro Grande, Fort Bliss, TX

By File ID  $\mathbf{DF}$ Prep Batch Analytical Batch Analyzed Prep Date M97898.D 10 OP66200 VM4200 Run #1 08/02/17 19:05 WV 07/31/17 12:30

Run #2

Purge Volume

Run#1  $5.0 \, ml$ 

VOA TCLP List

Run #2

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q
71.43-2 78-93-3 56-23-5 108-90-7 67-66-3 106-46-7 107-06-2 75-35-4 127-18-4 79-01-6	Benzene 0.0050 U 2-Butanone (MEK) 0.035 U Carbon Tetrachloride 0.0050 U Chlorobenzene 0.0050 U Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene Tetrachloroethylene Trichloroethylene		D018 D035 D019 D021 D022 D027 D028 D029 D039 D040	0.50 200 0.50 100 6.0 7.5 0.50 0.70 0.70	0.010 0.050 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010	0.0050 0.035 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	0.0031 0.020 0.0036 0.0020 0.0030 0.0026 0.0031 0.0032 0.0022 0.0035	mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l
75-01-4	Vinyl Chloride	0.00 <b>5</b> 0 T	D043	0.20	0.010	0.0050	0.0041	mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Li	mits			
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibrom ofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	98% 103% 100% 99%		79 85	3-118% 9-12 <b>5%</b> 5-112% 3-118%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC13

Lab Sample ID: FA46136-11 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 95.3

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed 7G00163.D 1 08/09/17 00:38 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 1.0 ml Run #2

### ABN TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q
95-48-7	2-Methylphenol 0.010UJ	.010 U	D023	200	0.050	0.010	0.00 <b>5</b> 6	mg/l
	3&4-Methylphenol 0.020UJ	020 U	D024	200	0.050	0.020	0.0098	mg/l
8 <b>7</b> -86- <b>5</b>	Pentachlorophenol 0.10UJ	0 10 U	D037	100	0.25	0.10	0.050	mg/1
95-95-4	2,4,5-Trichlorophenol 0.020UJ	0. p20 T	D041	400	0.050	0.020	0.0074	mg/l
88-06-2	2,4,6-Trichlorophenol 0.020UJ	0. <b>020 T</b>	D042	2.0	0.050	0.020	0.0075	mg/l
106-46-7	1,4-Dichlorobenzene 0.020U	0.0 <mark>2</mark> 0 T	D027	7.5	0.050	0.020	0.0050	mg/l
121-14-2	2,4-Dinitrotoluene 0.010 U	0.0 <b>1</b> 0 U	D030	0.13	0.050	0.010	0.0081	mg/l
118-74-1	Hexachlorobenzene	0.01 <b>0</b> T	D032	0.13	0.050	0.010	0.0069	mg/l
87-68-3	Hexachlorobutadiene 🔱	0.01 <b>0</b> U	D033	0.50	0.050	0.010	0.0050	mg/l
67-72-1	Hexachloroethane 0.020 U	0.020 U	D034	3.0	0.050	0.020	0.016	mg/l
98-95-3	Nitrobenzene 🗸	0.020 U	D036	2.0	0.050	0.020	0.0093	mg/l
110-86-1	Pyridine 0.035 U	0.035 V	D038	<b>5</b> .0	0.10	0.035	0.020	mg/l
		1						
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Li	imits			
367-12-4	2-Fluor ophenol	21%		14	1-67%			
4165-62-2	Phenol-d5	12%		10	0-50%			
118-79-6	2,4,6-Tribromophenol	97%		33	3-118%			
4165-60-0	Nitrobenzene-d5	80%		42	2-108%			
321-60-8	2-Fluorobiphenyl	85%		40	0-106%			
1718-51-0	Terphenyl-d14	92%		39	9-121%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC13

Lab Sample ID: FA46136-11 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 95.3

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080595.D 08/03/17 23:56 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run#1 6.05 g 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits

> TPH-GRO (C6-C10) 2.3 U 2.3 U 2.3 2.3 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 91% 56-149% 98-08-8 aaa-Trifluorotoluene 94% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection LimitE = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC13

Lab Sample ID: FA46136-11 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 95.3

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date CC055233.D 08/03/17 20:27 MG OP66234 GCC1169 Run #1 08/01/17 15:20

Run #2

Initial Volume Final Volume

Run#1 10.0 ml 5.0 ml

Run #2

### Herbicide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
94-75-7 93-72-1	2,4-D 2,4,5-TP (Silvex)	0.020 0)	0.025 U 0.0025 U	D016 D017		0.050 0.0050	0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recove	ries	Run#1	Run# 2	Li	mits			
19719-28-9	2,4-DCAA		42%		39	9-135%			

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound



LOD = Limit of Detection

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC13

Lab Sample ID: FA46136-11 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 95.3

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85190. D 1 08/08/17 17:30 KL OP66233 GKK2713 Run #1 08/01/17 12:30

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

### Pesticide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL LOQ	LOD DL Units Q
58-89-9	0.000050 L gamma-BHC (Lindane)	<b>∖</b> 000050 U	D013	0.40 0.00010	0.0000500.000022mg/l
12789-03-6	Chlordane 0.00050 U	0. <b>0</b> 00 <b>5</b> 0 U	D020	0.030 0.0010	0.00050 0.00038 mg/l
72-20-8	Endrin 0.000050 U	0.0 <b>0</b> 00 <b>5</b> 0 U	D012	0.020 0.00020	0.0000500.000021mg/l
76-44-8	Heptachlor	0.00 <b>005</b> 0 U	D031	0.0080 0.00010	0.0000500.000026mg/l
1024-57-3	Heptachlor epoxide 🖐	0.000 <b>05</b> 0 U	D031	0.0080 0.00010	0.0000500.000020mg/l
72-43-5	Methoxychlor 0.00010 U	0.0001 <b>0</b> U	D014	10 0.00020	0.00010 0.000050mg/l
8001-35-2	Toxaphene 0.0038 U	0.0038 T	D015	0.50 0.0050	0.0038 0.0021 mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits	
877-09-8	Tetrachloro-m-xylene	93%		42-127%	
2051-24-3	Decachlorobiphenyl	89%		27-127%	

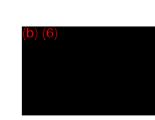
U = Not detected LOD = Limit of Detection

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

J = Indicates an estimated value





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC13 Lab Sample ID: FA46136-11

Matrix: SO - Soil Method: SW846 8082A SW846 3546 Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 95.3

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed Run #1 <sup>a</sup> MM43943.D 07/27/17 18:54 NJ 07/27/17 07:30 OP66167 GMM840

Run #2

Initial Weight Final Volume Run#1  $15.2\,\mathrm{g}$ 5.0 ml

Run #2

### PCB List

CAS No.	Compound		Result	rod	LOD	DL	Units	Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254	12 U 12 U 12 U 12 U 12 U 12 U 54.8	12 U 12 U 12 U 12 U 12 U 54.8	17 17 17 17 17 17	12 12 12 12 12 12	6.9 8.6 8.6 6.9 6.9	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	
11096-82-5	Aroclor 1260	12 U	12 U	17	12	6.9	ug/kg	
CAS No.	Surrogate Recov	eries	Run#1	Run# 2	Lim	uits		
877-09-8	Tetrachloro-m-xy	lene	71%		44-1	126%		
2051-24-3	Decachlorobipher	ıyl	43%		41-1	145%		

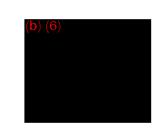
(a) All hits confirmed by dual column analysis.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank

J = Indicates an estimated value





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC13

Lab Sample ID: FA46136-11 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 95.3

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed JJ016058.D 1 08/05/17 19:39 SJL 07/27/17 08:00 OP66168 GJJ684 Run #1

Run #2

Initial Weight Final Volume

 $20.4\,\mathrm{g}$ Run#1 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> 16.1 J TPH (C10-C28) 5.1 2.6 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 95% 56-122%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# 4

# Report of Analysis

Page 1 of 1

 Client Sample ID:
 T030GL-WC13

 Lab Sample ID:
 FA46136-11

 Matrix:
 SO - Soil

 Date Sampled:
 07/25/17

 Date Received:
 07/26/17

 Percent Solids:
 95.3

Project: Oro Grande, Fort Bliss, TX

### Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed	Ву	Method
Arsenic 0.050U	0.050 U	D004	5.0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Barium 0.49 J	0.49 J	D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Cadmium <sup>0.0090J</sup>	0.0090 J	D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Chromium 0.050L	0.050 II	D007	5.0	0. 10	0.050	0.010	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
	0.020 U	D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Mercury0.0010U	0.0010 U	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/17	Л	SW846 7470A <sup>1</sup>
Selenium 0.050U	0.050 U	D010	1.0	0. 10	0.050	0.029	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Silver 0.020U	0.020 U	D011	5.0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>

Instrument QC Batch: MA14261
 Instrument QC Batch: MA14262
 Prep QC Batch: MP32523
 Prep QC Batch: MP32524

 $LOQ = Limit of \ Quantitation \qquad \qquad DL = \ Detection \ Limit \qquad \qquad U = \ Indicates \ a \ result < \ LOD$ 

 $LOD = Limit \ of \ Detection \qquad B = \ Analyte \ found \ in \ associated \ blank \quad J = \ Indicates \ a \ result \ > = \ DL \ (MDL) \ but \ < \ LOQ$ 





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC13 Lab Sample ID: FA46136-11 **Date Sampled:** 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Percent Solids: 95.3 Oro Grande, Fort Bliss, TX Project:

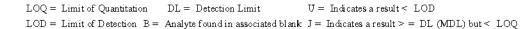
### General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By Method
Corrosivity as pH 8.0  Cyanide Reactivity 0.78U  Ignitability (Flashpoint) b > 20  Solids, Percent 95.3  Sulfide Reactivity 52 U	8.0 J 0.78 U 0 > 200 95.3 52 U	1.6	0.78 <sup>a</sup>	0.78 52	su mg/kg Deg. F % mg/kg	1 1 1 1	08/02/17 16:05 08/09/17 14:45 07/26/17 22:47	ZC SW846 CHAP7 KH SW846 CHAP7 KH SW846 1010 ZC SM19 2540G CH SW846 CHAP7

<sup>(</sup>a) Value reported is laboratory DL (MDL).









<sup>(</sup>b) Not ignitable.

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC14

Lab Sample ID: FA46136-12 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 96.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed J0985836.D 10 08/04/17 13:51 DP OP66240 VJ5682 Run #1 08/02/17 14:00

Run #2

Purge Volume

Run#1  $5.0 \, ml$ 

Run #2

### VOA TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q
71-43-2	Benzene 0.0050 U	0.0050 U	D018	0.50	0.010	0.0050	0.0031	mg/l
78-93-3	2-Butanone (MEK) 0.035 U	035 U	D035	200	0.050	0.035	0.020	mg/l
56-23-5	Carbon Tetrachloride 0.0050UJ	0 00 <b>5</b> 0 U	D019	0.50	0.010	0.0050	0.0036	mg/l
108-90-7	Chlorobenzene 0.0050 U	0. 050 T	D021	100	0.010	0.0050	0.0020	mg/l
67-66-3	Chloroform 0.0039 B	0.0039	D022	6.0	0.010	0.00 <b>5</b> 0	0.0030	mg/l 🏗
106-46-7	1,4-Dichlorobenzene 0.0050 U	0.00 <b>5</b> 0 U	D027	7.5	0.010	0.0050	0.0026	mg/l
107-06-2	1,2-Dichloroethane	0.00 <b>1</b> 0 U	D028	0.50	0.010	0.0050	0.0031	mg/l
75-35-4	1,1-Dichloroethylene	0.00 <b>50</b> U	D029	0.70	0.010	0.0050	0.0032	mg/l
127-18-4	Tetrachloroethylene	0.00 <b>50</b> U	D039	0.70	0.010	0.0050	0.0022	mg/l
79-01-6	Trichloroethylene	0.00 <b>5</b> 0 🗸	D040	0.50	0.010	0.0050	0.0035	mg/l
75-01-4	Vinyl Chloride	0.0050	D043	0.20	0.010	0.0050	0.0041	mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Li	mits			
1868-53-7	Dibrom of luoromethane	103%		83	3-118%			
17060-07-0	1,2-Dichloroethane-D4	105%		79	-125%			
2037-26-5	Toluene-D8	99%		85	5-112%			
460-00-4	4-Bromofluorobenzene	97%		83	3-118%			

LOD = Limit of Detection

E = Indicates value exceeds calibration range

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC14

Lab Sample ID: FA46136-12 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 96.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed 7G00164.D 1 08/09/17 01:16 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 1.0 ml Run #2

### ABN TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units Q
95-48-7	2-Methylphenol 0.010UJ	0.010 U	D023	200	0.050	0.010	0.00 <b>5</b> 6	mg/l
	3&4-Methylphenol 0.020UJ	020 U	D024	200	0.050	0.020	0.0098	mg/l
8 <b>7</b> -86- <b>5</b>	Pentachlorophenol 0.10UJ	0 10 U	D037	100	0.25	0.10	0.050	mg/1
95-95-4	2,4,5-Trichlorophenol 0.020UJ	0.020 T	D041	400	0.050	0.020	0.0074	mg/l
88-06-2	2,4,6-Trichlorophenol 0.020UJ	0. <b>2</b> 0 U	D042	2.0	0.050	0.020	0.0075	mg/l
106-46-7	1,4-Dichlorobenzene 0.020U	0.0 <b>2</b> 0 U	D027	7.5	0.050	0.020	0.0050	mg/l
121-14-2	2,4-Dinitrotoluene 0.010 U	0.0 <b>1</b> 0 U	D030	0.13	0.050	0.010	0.0081	mg/l
118-74-1	Hexachlorobenzene	0.010 U	D032	0.13	0.050	0.010	0.0069	mg/l
87-68-3	Hexachlorobutadiene	0.01 <b>0</b> U	D033	0.50	0.050	0.010	0.0050	mg/l
67-72-1	Hexachloroethane 0.020 U	0.020 U	D034	3.0	0.050	0.020	0.016	mg/l
98-95-3	Nitrobenzene 🗸	0.020 T	D036	2.0	0.050	0.020	0.0093	mg/l
110-86-1	Pyridine 0.035 U	0.03 <b>5</b> t	D038	5.0	0.10	0.035	0.020	mg/l
CAS No.	Surrogate Recoveries	Run#1	Run# 2	т:	imits			
CAS No.	Sur ogate Recoveries	Kul# I	Kuli# 2	1.1	illita			
367-12-4	2-Fluorophenol	23%		14	1-67%			
4165-62-2	Phenol-d5	13%		10	0-50%			
118-79-6	2,4,6-Tribromophenol	92%		33	3-118%			
4165-60-0	Nitrobenzene-d5	78%		42	2-108%			
321-60-8	2-Fluorobiphenyl	81%		40	0-106%			
1718-51-0	Terphenyl-d14	88%		39	9-121%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC14

Lab Sample ID: FA46136-12 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 96.1

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080596.D 08/04/17 00:25 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run#1 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits

> TPH-GRO (C6-C10) 2.6 U 5.1 2.6 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 92% 56-149% 98-08-8 aaa-Trifluorotoluene 94% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC14

Lab Sample ID: FA46136-12 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 96.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date CC055234.D 08/03/17 20:43 MG OP66234 GCC1169 Run #1 08/01/17 15:20

Run #2

Initial Volume Final Volume

Run#1 10.0 ml 5.0 ml

Run #2

### Herbicide TCLP Leach ate

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q	
94-75-7 93-72-1	2,4-D 2,4,5-TP (Silvex)	0.020 0)	0.025 U 0.0025 U	D016 D017		0.050 0.0050	0.025 0.0025	0.017 0.0013	mg/l mg/l	
CAS No.	CAS No. Surrogate Recoveries		Run#1	Run# 2	Li	mits				
19719-28-9	2,4-DCAA		46%		39	9-135%				

10/03/2018

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





LOD = Limit of Detection

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC14

Lab Sample ID: FA46136-12 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 96.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85191.D 1 08/08/17 17:47 KL OP66233 GKK2713 Run #1 08/01/17 12:30

Run #2

Initial Volume Final Volume

Run#1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

### Pesticide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	AS No. Compound		HW#	MCL LOQ	LOD DL Units Q
58-89-9 12789-03-6 72-20-8 76-44-8 1024-57-3 72-43-5 8001-35-2	gamma-BHC (Lindane)  Chlordane 0.00050 U  Endrin 0.000550 U  Heptachlor  Heptachlor epoxide  Methoxychlor 0.00010 U  Toxaphene 0.0030 U	0,000050 U 0,00050 U 0.000050 U 0.000050 U 0.000050 U 0.00010 U 0.00018 U	D013 D020 D012 D031 D031 D014 D015	0.40 0.00010 0.030 0.0010 0.020 0.00020 0.0080 0.00010 0.0080 0.00010 10 0.00020 0.50 0.0050	0.0000500.000022mg/l 0.00050 0.00038 mg/l 0.0000500.000021mg/l 0.0000500.000026mg/l 0.0000500.000020mg/l 0.00010 0.000050mg/l 0.0038 0.0021 mg/l
CAS No. Surrogate Recoveries		Run#1	Run# 2	Limits	
<b>,</b>		102% 91%		42-127% 27-127%	

LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC14

 Lab Sample ID:
 FA46136-12
 Date Sampled:
 07/25/17

 Matrix:
 SO - Soil
 Date Received:
 07/26/17

 Method:
 SW846 8082A
 SW846 3546
 Percent Solids:
 96.1

Project: Oro Grande, Fort Bliss, TX

 File ID
 DF
 Analyzed
 By
 Prep Date
 Prep Batch
 Analytical Batch

 Run #1
 MM43944.D
 1
 07/27/17 19:05
 NJ
 07/27/17 07:30
 OP66167
 GMM840

Run #2

Initial Weight Final Volume Run #1 15.4 g 5.0 ml

Decachlorobiphenyl

Run #2

### PCB List

2051-24-3

								_
CAS No.	Compound		Result	LOQ	LOD	$\mathbf{DL}$	Units	Q
			A.					
12674-11-2	Aroclor 1016	12 U	2 U	17	12	6.8	ug/kg	
11104-28-2	Aroclor 1221	12 U	1 <b>2</b> U	17	12	8.4	ug/kg	
11141-16-5	Aroclor 1232	12 U	12 U	17	12	8.4	ug/kg	
53469-21-9	Aroclor 1242	12 U	12 U	17	12	6.8	ug/kg	
12672-29-6	Aroclor 1248	12 U	12 V	17	12	6.8	ug/kg	
11097-69-1	Aroclor 1254	12 U	12 <b>V</b>	17	12	6.8	ug/kg	
11096-82-5	Aroclor 1260	12 U	12 U	17	12	6.8	ug/kg	
			- 1					
CAS No.	Surrogate Recoveries		Run#1	Run# 2	Limits			
	2							
877-09-8	Tetrachloro-m-xylene	e	63%		44-13	26%		
		-						

54%

 $\begin{array}{ll} \mathbb{U} = \mbox{ Not detected} & \mbox{LOD} = \mbox{ Limit of Detection} \\ \mbox{LOQ} = \mbox{ Limit of Quantitation} & \mbox{DL} = \mbox{ Detection Limit} \\ \end{array}$ 

E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated

41-145%

B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC14

Lab Sample ID: FA46136-12 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 96.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed JJ016059.D 1 08/05/17 20:07 SJL 07/27/17 08:00 OP66168 GJJ684 Run #1

Run #2

Initial Weight Final Volume

 $20.1\,\mathrm{g}$ Run#1 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> 46.1 J TPH (C10-C28) 5.2 3.9 2.6 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 120% 56-122%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound





10/03/2018

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC14 Lab Sample ID: FA46136-12 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17

Percent Solids: 96.1

Oro Grande, Fort Bliss, TX Project:

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
	1										
Arsenic 0.050U	₫050 U	D004	5.0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>
Barium 0.30J	0.30 J	D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Cadmiump.0030.	<sup>J</sup> 0. 030 J	D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Chromium <sup>0.050</sup>	<sup>U</sup> 0.0 <b>5</b> 0 ℧	D007	5.0	0. 10	0.050	0.010	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Lead 0.020U	0.0 <mark>2</mark> 0 ℧	D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Mercury 0.0010L	− ت 0,000 د	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/1 <b>7</b> ЛL	SW846 7470A <sup>1</sup>
Selenium 0.050L	0.050 T	D010	1.0	0. 10	0.050	0.029	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Silver 0/020L	0.020 U	D011	<b>5</b> .0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>

(1) Instrument QC Batch: MA14261

(2) Instrument QC Batch: MA14262

(3) Prep QC Batch: MP32523

(4) Prep QC Batch: MP32524





LOQ = Limit of Quantitation

DL = Detection Limit

U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

# Report of Analysis

Page 1 of 1

| Client Sample ID: T030GL-WC14 | Lab Sample ID: FA46136-12 | Date Sampled: 07/25/17 | Matrix: SO - Soil | Date Received: 07/26/17 | Percent Solids: 96.1 | Project: Oro Grande, Fort Bliss, TX

### General Chemistry

Analyte		Result	LOQ	LOD	$\mathbf{DL}$	Units	$\mathbf{DF}$	Analyzed	By Method
Corrosivity as pH	8.5	8.5				Su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0.78U	₫.78 U	1.6	0.78 <sup>a</sup>	0. <b>7</b> 8	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) <sup>b</sup>	> 200	> 200				Deg. F	1	08/09/17 14:45	KH SW846 1010
Solids, Percent	96.1	96.1				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfi de Reacti vity	52 U	52 tr	52	52 a	52	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

<sup>(</sup>a) Value reported is laboratory DL (MDL).





<sup>(</sup>b) Not ignitable.

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC15

Lab Sample ID: FA46136-13 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 96.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Batch Analytical Batch Analyzed Prep Date J0985838.D 10 08/04/17 14:38 DP OP66240 VJ5682 Run #1 08/02/17 14:00

Run #2

Purge Volume

Run#1  $5.0 \, ml$ 

Run #2

### VOA TCLP List TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
71-43-2	Benzene 0.0050 U	0.00 <b>5</b> 0 U	D018	0.50	0.010	0.0050	0.0031	mg/l	
78-93-3	2-Butanone (MEK) 0.035 U	035 T	D035	200	0.050	0.035	0.020	mg/l	
56-23-5	Carbon Tetrachloride 0.0050U.	0.0050 U	D019	0.50	0.010	0.0050	0.0036	mg/l	
108-90-7	Chlorobenzene 0.0050 U	0. 050 U	D021	100	0.010	0.0050	0.0020	mg/l	
67-66-3	Chloroform 0.0032 B	0.0032	D022	6.0	0.010	0.0050	0.0030	mg/l	JB
106-46-7	1,4-Dichlorobenzene 0.0050 U	0.00 <b>5</b> 0 U	D027	7.5	0.010	0.0050	0.0026	mg/l	
107-06-2	1,2-Dichloroethane	0.00 <b>3</b> 0 U	D028	0.50	0.010	0.0050	0.0031	mg/l	
75-35-4	1,1-Dichloroethylene	0.00 <b>50</b> U	D029	0.70	0.010	0.0050	0.0032	mg/l	
127-18-4	Tetrachloroethylene	0.00 <b>5</b> 0 U	D039	0.70	0.010	0.0050	0.0022	mg/l	
79-01-6	Trichloroethylene	0.0050	D040	0.50	0.010	0.00 <b>5</b> 0	0.0035	mg/l	
75-01-4	Vinyl Chloride	0.00 <b>5</b> 0 U	D043	0.20	0.010	0.0050	0.0041	mg/l	
CAS No.	AS No. Surrogate Recoveries		Run# 2	Li	imits				
1868-53-7	Dibromofluoromethane	105%		83	3-118%				
17060-07-0	1,2-Dichloroethane-D4	107%		79	9-125%				
2037-26-5	Toluene-D8	99%		85	5-112%				
460-00-4	4-Bromofluorobenzene	94%		83	3-118%				

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC15

Lab Sample ID: FA46136-13 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 96.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed 7G00165.D 1 08/09/17 01:53 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run #1  $100 \, \mathrm{ml}$ 1.0 ml

Run #2

ABN TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	rod	LOD	DL	Units Q
95-48-7 87-86-5 95-95-4 88-06-2 106-46-7 121-14-2 118-74-1 87-68-3 67-72-1	2-Methylphenol 0.010UJ 3&4-Methylphenol 0.020UJ Pentachlorophenol 0.020UJ 2,4,5-Trichlorophenol 0.020UJ 2,4,6-Trichlorophenol 0.020UJ 1,4-Dichlorobenzene 0.020U 2,4-Dinitrotoluene Hexachlorobutadiene Hexachloroethane 0.020 U	0.010 U 0.020 U 0.10 U 0.020 U 0.020 U 0.020 U 0.010 U 0.010 U 0.010 U 0.010 U	D023 D024 D037 D041 D042 D027 D030 D032 D033 D034	200 200 100 400 2.0 7.5 0.13 0.13 0.50 3.0	0.050 0.050 0.25 0.050 0.050 0.050 0.050 0.050 0.050 0.050	0.010 0.020 0.10 0.020 0.020 0.020 0.010 0.010 0.010 0.010	0.0056 0.0098 0.050 0.0074 0.0075 0.0050 0.0081 0.0069 0.0050 0.016	mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l
98-95-3 110-86-1 CAS No.	Nitrobenzene Pyridine 0.035 U  Surrogate Recoveries	0.020 U 0.035 U Run# 1	D036 D038 <b>Run#2</b>	2.0 5.0	0.050 0.10 <b>mits</b>	0.020 0.035	0.0093 0.020	mg/l mg/l
367-12-4 4165-62-2 118-79-6 4165-60-0 321-60-8	2-Fluorophenol Phenol-d5 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl	22% 12% 100% 82% 90%		10 33 42	-67% 0-50% 3-118% 0-106%			

90%

U = Not detected

1718-51-0 Terphenyl-d14

LOD = Limit of Detection

J = Indicates an estimated value

39-121%

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC15

Lab Sample ID: FA46136-13 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 96.7

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080597.D 08/04/17 00:55 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run #1 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.3 U 2.3 2.3 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

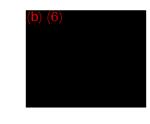
460-00-4 4-Bromofluorobenzene 93% 56-149% 98-08-8 aaa-Trifluorotoluene 94% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation

DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC15

 Lab Sample ID:
 FA46136-13
 Date Sampled:
 07/25/17

 Matrix:
 SO - Soil
 Date Received:
 07/26/17

 Method:
 SW846 8151A
 SW846 3510C
 Percent Solids:
 96.7

Project: Oro Grande, Fort Bliss, TX

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch
Run #1 CC055235.D 1 08/03/17 20.59 MG 08/01/17 15:20 OP66234 GCC1169

Run #2

Initial Volume Final Volume

Run #1 10.0 ml 5.0 ml

Run #2

### Herbicide TCLP Leach ate

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
94-75-7 93-72-1	2,4-D (Silvex)	0.022 0,	0.025 U 0.0025 U	D016 D017		0.050 0.0050	0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recoveri	ies	Run#1	Run# 2	Li	mits			
19719-28-9	2,4-DCAA		40%		39	-135%			

U = Not detected LOD

LOD = Limit of Detection

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR E = Indicates value exceeds calibration range

 $MCL = Maximum \ Contamination \ Level \ (40 \ CFR \ 261 \ 7/1/11) \quad B = Indicates \ analyte \ found in \ associated \ method \ blank \ and \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ associated \ method \ blank \ analyte \ found \ in \ analyt$ 





## Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC15

Lab Sample ID: FA46136-13 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 96.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date Run #1 <sup>a</sup> KK85192. D 1 08/08/17 18:04 KL OP66233 GKK2713 08/01/17 12:30

Run #2

Final Volume Initial Volume Run #1 100 ml 5.0 ml Run #2

### Pesticide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL LOQ	LOD	$\mathbf{DL}$	Units	Q
	0.000023	1						
58-89-9	gamma-BHC (Lindane) <sup>b</sup>	0 000023	D013	0.40 0.00010	0.00005	00.00002	2mg/l	J
12789-03-6	Chlordane 0.00050 U	0. <b>005</b> 0 U	D020	0.030 0.0010	0.00050	0.00038	mg/l	
72-20-8	Endrin 0.000050 U	0.000050 U	D012	0.020 0.00020	0.00005	00.00002	1mg/1	
76-44-8	Heptachlor	0.00 <b>005</b> 0 U	D031	0.0080 0.00010	0.00005	00.00002	6mg/l	
1024-57-3	Heptachlor epoxide	0.000 <b>)5</b> 0 U	D031	0.0080 0.00010	0.00005	00.00002	0mg/1	
72-43-5	Methoxychlor 0.00010 U	0.0001 <b>)</b> U	D014	10 0.00020	0.00010	0.00005	0mg/1	
8001-35-2	Toxaphene 0.0038 U	0.0038	D015	0.50 0.0050	0.0038	0.0021	mg/l	
		\ \						
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits				
877-09-8	Tetrachloro-m-xylene	98%		42-127%				
2051-24-3	Decachlorobiphenyl	91%		27-127%				
	· ·							

- (a) All hits confirmed by dual column analysis.
- (b) Primary and confirmation results differ by more than 40%. Lower value reported due to possible coelution.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC15

Lab Sample ID: FA46136-13 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8082A SW846 3546 Percent Solids: 96.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed MM43945.D 07/27/17 19:17 NJ 07/27/17 07:30 OP66167 GMM840 Run #1

Run #2

Initial Weight Final Volume Run #1  $15.2\,\mathrm{g}$ 5.0 ml

Run #2

### PCB List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor 1016 12 U Aroclor 1221 12 U Aroclor 1232 12 U Aroclor 1242 12 U Aroclor 1248 12 U Aroclor 1254 12 U	12 U 12 U 12 U 12 U 12 U 12 U	17 17 17 17 17	12 12 12 12 12 12	6.8 8.5 8.5 6.8 6.8	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	
11096-82-5	Aroclor 1260 12 U	12 V	17	12	6.8	ug/kg	
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Lim	its		
877-09-8 2051-24-3	Tetrachloro-m-xylene Decachlorobiphenyl	51% 42%			26% 4 <b>5%</b>		

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit J = Indicates an estimated value

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range



# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC15

Lab Sample ID: FA46136-13 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C SW846 3546 Percent Solids: 96.7

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Analyzed Prep Date Prep Batch Analytical Batch

JJ016060.D 1 08/05/17 20:36 SJL 07/27/17 08:00 OP66168 GJJ684 Run #1

Run #2

Initial Weight Final Volume

 $20.8\,\mathrm{g}$ Run#1 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> 77.3 J TPH (C10-C28) **5**. 0 2.5 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 110% 56-122%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value





Page 1 of 1

Client Sample ID: T030GL-WC15 Lab Sample ID: FA46136-13 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 96.7

Project: Oro Grande, Fort Bliss, TX

## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Ů.	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed	Ву	Method
Arsenic	0.050 U	0.050 U	D004	5.0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Barium	0.48 J	0.48 J	D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Cadmiu	m <sup>0.0060J</sup>	0.0060 J	D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>
Chromit	m0.050L	0.050 U	D007	5.0	0.10	0.050	0.010	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Lead	0.020U	0.020 U	D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Mercury	, 0. 001 0U	0.0010 U	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/17	ЛL	SW846 7470A <sup>1</sup>
Seleniun	n 0.050U	0.050 U	D010	1.0	0. 10	0.050	0.029	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C 2
Silver	0.020U	0.020 U	D011	5.0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/17	LM	SW846 6010C <sup>2</sup>

(1) Instrument QC Batch: MA14261 (2) Instrument QC Batch: MA14262 (3) Prep QC Batch: MP32523 (4) Prep QC Batch: MP32524

LOQ = Limit of Quantitation

DL = Detection Limit

U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Page 1 of 1

Client Sample ID: T030GL-WC15 Lab Sample ID: FA46136-13 **Date Sampled:** 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Percent Solids: 96.7 Oro Grande, Fort Bliss, TX Project:

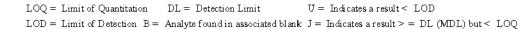
## General Chemistry

Analyte		Result	rod	LOD	$\mathbf{DL}$	Units	DF	Analyzed	By Method
	7.0							0010414540.00	FIG. ONLYO AC OUT A DE
Corrosivity as pH	7.9	V.9				su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0.77U	0 77 U	1.5	0. <b>77</b> a	0. <i>7</i> 7	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) <sup>b</sup>	> 200	> \$00				Deg. F	1	08/09/17 14:45	KH SW846 1010
Solids, Percent	96.7	96.7				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfide Reactivity	51 U	51 U	51	51 <sup>a</sup>	51	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7
		1							

<sup>(</sup>a) Value reported is laboratory DL (MDL).









<sup>(</sup>b) Not ignitable.

# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC16 Lab Sample ID: FA46136-14

Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8260B SW846 1311 Percent Solids: 97.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed J0985839.D 10 08/04/17 15:02 DP OP66240 VJ5682 Run #1 08/02/17 14:00

Run #2

Purge Volume

Run#1  $5.0 \, ml$ 

Run #2

### VOA TCLP List

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units	Q
71-43-2 78-93-3 56-23-5 108-90-7 67-66-3 106-46-7 107-06-2 75-35-4 127-18-4	2-Butanone (MEK) 0.0 Carbon Tetrachloride C Chlorobenzene	0.0050 U 0.0053 B	0.298 0.035 U 0.0050 U 0.0050 U 0.0053 0.0050 U 0.0050 U 0.0050 U 0.0050 U	D018 D035 D019 D021 D022 D027 D028 D029	0.50 200 0.50 100 6.0 7.5 0.50 0.70	0.010 0.050 0.010 0.010 0.010 0.010 0.010 0.010 0.010	0.0050 0.035 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050	0.0031 0.020 0.0036 0.0020 0.0030 0.0026 0.0031 0.0032 0.0022	mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l	FR.
79-01-6 75-01-4	Trichloroethylene Vinyl Chloride	$\downarrow$	0.0050 U 0.0050 U	D040 D043	0.50 0.20	0.010 0.010	0.0050	0.0025 0.0041	mg/l mg/l	
CAS No.	Surrogate Recoveries	:	Run#1	Run# 2	Li	mits				
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibrom of luoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	4	103% 106% 98% 95%		79 85	3-118% 9-125% 5-112% 3-118%				

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC16

Lab Sample ID: FA46136-14 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8270D SW846 3510C Percent Solids: 97.1

Project: Oro Grande, Fort Bliss, TX

 $\mathbf{DF}$ File ID By Prep Batch Analytical Batch Analyzed Prep Date 7G00167. D 1 08/09/17 03:07 NG OP66232 S7G11 Run #1 08/01/17 13:00

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 1.0 ml

Run #2

### ABN TCLP List

## TCLP Leachate method SW846 1311

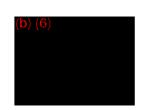
CAS No.	Compound	Result	HW#	MCL	roó	LOD	DL	Units Q
95-48-7	2-Methylphenol 0.010UJ	0.010 U	D023	200	0.050	0.010	0.00 <b>5</b> 6	mg/l
	3&4-Methylphenol 0.020UJ	4 020 U	D024	200	0.050	0.020	0.0098	mg/l
87-86-5	Pentachlorophenol 0.10UJ	0 <b>.</b> 10 U	D037	100	0.25	0.10	0.050	mg/l
95-95-4	2,4,5-Trichlor ophen of 0.020UJ	0. <b>0</b> 20 T	D041	400	0.050	0.020	0.0074	mg/l
88-06-2	2,4,6-Trichlorophenol 0.020UJ	0.0 <mark>2</mark> 0 T	D042	2.0	0.050	0.020	0.0075	mg/l
106-46-7	1,4-Dichlorobenzene 0.020U	0.0 <b>2</b> 0 U	D027	7.5	0.050	0.020	0.0050	mg/l
121-14-2	2,4-Dinitrotoluene 0.010 U	0.0 <b>1</b> 0 U	D030	0.13	0.050	0.010	0.0081	mg/l
118-74-1	Hexachlorobenzene	0.01 <b>)</b> U	D032	0.13	0.050	0.010	0.0069	mg/l
87-68-3	Hexachlorobutadiene	0.01 <b>0</b> U	D033	0.50	0.050	0.010	0.0050	mg/l
67-72-1	Hexachloroethane 0.020 U	0.020 U	D034	3.0	0.050	0.020	0.016	mg/l
98-95-3	Nitrobenzene 🕠	0.020 J	D036	2.0	0.050	0.020	0.0093	mg/l
110-86-1	Pyridine 0.035 U	0.035 <b>T</b>	D038	5.0	0.10	0.035	0.020	mg/l
		1						
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Li	mits			
367-12-4	2-Fluorophenol	23%		14	-67%			
4165-62-2	Phenol-d5	13%		10	-50%			
118-79-6	2,4,6-Tribromophenol	96%		33	3-118%			
4165-60-0	Nitrobenzene-d5	81%		42	:-108%			
321-60-8	2-Fluorobiphenyl	87%		40	-106%			
1718-51-0	Terphenyl-d14	92%		39	-121%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC16

Lab Sample ID: FA46136-14 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8015C Percent Solids: 97.1

Project: Oro Grande, Fort Bliss, TX

File ID Prep Date  $\mathbf{DF}$ Analyzed By Prep Batch Analytical Batch GUV4266 UV080598.D 08/04/17 01:24 AJC Run #1

Run #2

Initial Weight Final Volume Methanol Aliquot Run#1 5.0 ml  $100~\mathrm{ul}$ Run #2

CAS No. Compound Result LOQ LOD DLUnits Q

> TPH-GRO (C6-C10) 2.2 U 2.2 U 2.2 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

460-00-4 4-Bromofluorobenzene 92% 56-149% 98-08-8 aaa-Trifluorotoluene 93% 66-132%

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC16

Lab Sample ID: FA46136-14 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8151A SW846 3510C Percent Solids: 97.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$ By Prep Batch Analytical Batch Analyzed Prep Date CC055237.D 08/03/17 21:31 MG OP66234 GCC1169 Run #1 08/01/17 15:20

Run #2

Initial Volume Final Volume Run#1 10.0 ml 5.0 ml

Run #2

### Herbicide TCLP Leach ate

### TCLP Leachate method SW846 1311

CAS No.	Compound		Result	HW#	MCL	LOQ	LOD	DL	Units Q
94-75-7 93-72-1	2,4-D (Silvex) (	0.020 0,	0.025 U 0.0025 U	D016 D017		0.050 0.0050	0.025 0.0025	0.017 0.0013	mg/l mg/l
CAS No.	Surrogate Recoveri	ies	Run#1	Run# 2	Li	mits			
19719-28-9	2,4-DCAA		39%		39	9-135%			

LOD = Limit of Detection

J = Indicates an estimated value

E = Indicates value exceeds calibration range

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC16

Lab Sample ID: FA46136-14 Date Sampled: 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Method: SW846 8081B SW846 3510C Percent Solids: 97.1

Project: Oro Grande, Fort Bliss, TX

File ID  $\mathbf{DF}$  $\mathbf{B}\mathbf{y}$ Prep Date Prep Batch Analytical Batch Analyzed KK85194. D 1 08/08/17 18:39 KL OP66233 GKK2713 Run #1 08/01/17 12:30

Run #2

Initial Volume Final Volume Run#1  $100 \, \mathrm{ml}$ 5.0 ml

Run #2

### Pesticide TCLP Leachate

### TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL LOQ	LOD	$\mathbf{DL}$	Units	Q
58-89-9 12789-03-6 72-20-8 76-44-8 1024-57-3 72-43-5 8001-35-2	gamma-BHC (Lindane)  Chlordane 0.000050 U  Endrin 0.000050 U  Heptachlor  Heptachlor epoxide  Methoxychlor 0.00010 U  Toxaphene 0.0038 U	0,000050 U 0,00050 U 0,00050 U 0,000050 U 0,000050 U 0,00000 U 0,00000 U	D020 D012 D031 D031	0.40 0.00010 0.030 0.0010 0.020 0.00020 0.0080 0.00010 0.0080 0.00010 10 0.00020 0.50 0.0050	0.00050 0.00005 0.00005 0.00005	00.00002; 0.00038 00.00002 00.00002 0.00005 0.00005	mg/1 1mg/1 6mg/1 Omg/1	
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits				
877-09-8 20 <b>5</b> 1-24-3	Tetrachloro-m-xylene Decachlorobiphenyl	104% 97%		42-127% 27-127%				

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC16 Lab Sample ID: FA46136-14

Matrix: SO - Soil Method: SW846 8082A SW846 3546 Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 97.1

Project: Oro Grande, Fort Bliss, TX

> File ID  $\mathbf{DF}$ By Prep Date Prep Batch Analytical Batch Analyzed MM43946.D 1 07/27/17 19:29 NJ 07/27/17 07:30 OP66167 GMM840

Run #1 Run #2

Initial Weight Final Volume  $15.3\,\mathrm{g}$ Run#1 5.0 ml

Run #2

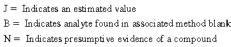
### PCB List

CAS No.	Compound		Result	LOQ	LOD	DL	Units	Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254	12 U 12 U 12 U 12 U 12 U 12 U	12 U 12 U 12 U 12 U 12 U 12 U 12 U	17 17 17 17 17 17	12 12 12 12 12 12 12 12	6.7 8.4 8.4 6.7 6.7 6.7	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	
CAS No.  877-09-8 2051-24-3	Surrogate Recover Tetrachloro-m-xylei Decachlorobiphenyl	i <b>es</b> ne	Run# 1 63% 49%	Run# 2	Lim: 44-1 41-1	its 26%	AP. IND	

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

B = Indicates analyte found in associated method blank





# Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC16 Lab Sample ID: FA46136-14

Matrix: SO - Soil Method: SW846 8015C SW846 3546 Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 97.1

Project: Oro Grande, Fort Bliss, TX

File ID DF By Prep Date Prep Batch Analytical Batch Analyzed JJ016061.D 1 08/05/17 21:05 SJL 07/27/17 08:00 OP66168 GJJ684 Run #1

Run #2

Initial Weight Final Volume  $20.3\,\mathrm{g}$ Run#1 1.0 ml

Run #2

CAS No. Compound Result LOQ LOD DLUnits

> TPH (C10-C28) a 49.9 J 5.1 3.8 2.5 mg/kg

CAS No. Surrogate Recoveries Run#1 Run#2 Limits

84-15-1 o-Terphenyl 101% 56-122%

(a) Associated MS/MSD outside of control limits.

U = Not detected LOD = Limit of Detection LOQ = Limit of Quantitation DL = Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value





Page 1 of 1

Client Sample ID: T030GL-WC16 Lab Sample ID: FA46136-14 Matrix: SO - Soil

Date Sampled: 07/25/17 Date Received: 07/26/17 Percent Solids: 97.1

Project: Oro Grande, Fort Bliss, TX

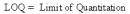
## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
Arsenic 0.050U	050 U	D004	<b>5</b> .0	0. 10	0.050	0.013	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Barium 0.36J	0.36 J	D005	100	2.0	0.050	0.050	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Cadmium <sup>0.014J</sup>	0.014 J	D006	1.0	0.050	0.010	0.0020	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>
Chromium 0.050L	<sup>1</sup> 0.₫ <b>5</b> 0 ℧	D007	5.0	0. 10	0.050	0.010	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Lead 0.020U	0.0 <b>2</b> 0 U	D008	5.0	0.050	0.020	0.011	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>
Mercury 0.0010U	<sup>1</sup> 0.00 <b>1</b> 0 <del>U</del>	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	08/01/17	08/01/1 <b>7</b> JL	SW846 7470A <sup>1</sup>
Selenium 0.050U	1	D010	1.0	0. 10	0.050	0.029	mg/l	1	08/01/17	08/01/17 LM	SW846 6010C <sup>2</sup>
Silver 0.020U	0.020 U	D011	<b>5</b> .0	0. 10	0.020	0.0070	mg/l	1	08/01/17	08/01/1 <b>7</b> LM	SW846 6010C <sup>2</sup>

(1) Instrument QC Batch: MA14261 (2) Instrument QC Batch: MA14262 (3) Prep QC Batch: MP32523

(4) Prep QC Batch: MP32524





DL = Detection Limit

U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

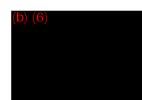
Page 1 of 1

Client Sample ID: T030GL-WC16 Lab Sample ID: FA46136-14 **Date Sampled:** 07/25/17 Matrix: SO - Soil Date Received: 07/26/17 Percent Solids: 97.1 Oro Grande, Fort Bliss, TX Project:

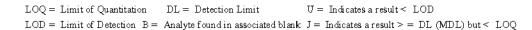
### General Chemistry

Analyte		Result	LOQ	LOD	$\mathbf{DL}$	Units	$\mathbf{DF}$	Analyzed	By Method
		١							
Corrosivity as pH	8.0	8.0				su	1	08/04/17 19:30	ZC SW846 CHAP7
Cyanide Reactivity	0.77U	ั <b>ง</b> 77 บ	1.5	0. <b>77</b> a	0. <i>7</i> 7	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) b	> 200	> 200				Deg. F	1	08/09/17 14:45	KH SW846 1010
Solids, Percent	97.1	97.1				%	1	07/26/17 22:47	ZC SM19 2540G
Sulfide Reactivity	51 U	51 V	51	51 <sup>a</sup>	51	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

<sup>(</sup>a) Value reported is laboratory DL (MDL).







<sup>(</sup>b) Not ignitable.



**EMSL Order**: 341706798 **Customer ID**: ACCT51B

Customer PO: Project ID:

 Attention:
 Andrea Colby
 Phone:
 (407) 425-6700

 Accutest
 Fax:
 (407) 425-0707

4405 Vinland Road **Received Date:** 07/25/2017 11:15 AM

Orlando, FL 32811 Analysis Date: 08/08/2017

Collected Date: 07/25/2017

Project: Oro Grande, Fort Bliss, TX

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			<u>Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
2X	T030GL-WC04	Red Non-Fibrous		35% Quartz 15% Ca Carbonate	None Detected
341706798-0001		Homogeneous		50% Non-fibrous (Other)	
Soil is a problem matrix	c. Other analytical options are rec	ommended such as EPA 60	0 PLM/TEM with milling prep		
3X	T030GL-WC05	Red Non-Fibrous		35% Quartz 15% Ca Carbonate	None Detected
341706798-0002 Soil is a problem matrix	α. Other analytical options are rec	Homogeneous ommended such as EPA 60	0 PLM/TEM with milling prep	50% Non-fibrous (Other)	
4X	T030GL-WC06	Brown Non-Fibrous		35% Quartz 15% Ca Carbonate	None Detected
341706798-0003		Homogeneous		50% Non-fibrous (Other)	
Soil is a problem matrix	c. Other analytical options are rec	ommended such as EPA 60	0 PLM/TEM with milling prep		
5X	T030GL-WC07	Brown Non-Fibrous		35% Quartz 15% Ca Carbonate	None Detected
341706798-0004		Homogeneous		50% Non-fibrous (Other)	
Soil is a problem matrix	c. Other analytical options are rec	ommended such as EPA 60	0 PLM/TEM with milling prep		
6X	T030GL-WC08	Brown Non-Fibrous		35% Quartz 15% Ca Carbonate	None Detected
341706798-0005		Homogeneous		50% Non-fibrous (Other)	
Soil is a problem matrix	c. Other analytical options are rec	ommended such as EPA 60	0 PLM/TEM with milling prep		
7X	T030GL-WC09	Brown Non-Fibrous		35% Quartz 15% Ca Carbonate	None Detected
341706798-0006		Homogeneous		50% Non-fibrous (Other)	
	c. Other analytical options are rec	•	0 PLM/TEM with milling prep	00701101111111000 (001101)	
8X	T030GL-WC10	Red	5	35% Quartz	None Detected
		Non-Fibrous		15% Ca Carbonate	
341706798-0007		Homogeneous		50% Non-fibrous (Other)	
Soil is a problem matrix	c. Other analytical options are rec	ommended such as EPA 60	0 PLM/TEM with milling prep		
9X	T030GL-WC11	Brown		35% Quartz	None Detected
		Non-Fibrous		15% Ca Carbonate	
341706798-0008	. Other and tire! antique are are	Homogeneous	O DI MATEMA suith million and a	50% Non-fibrous (Other)	
	c. Other analytical options are rec		∪ ⊢∟ıvı/ I ⊑ıvi witn milling prep		
10X	T030GL-WC12	Tan Non-Fibrous		40% Quartz 5% Ca Carbonate	None Detected
341706798-0009		Homogeneous		55% Non-fibrous (Other)	
	c. Other analytical options are rec	•	0 PLM/TEM with milling prep	oo /s (toll librous (Saler)	
11X	T030GL-WC13	Tan	31-1	40% Quartz	None Detected
	100001 11010	Non-Fibrous		5% Ca Carbonate	Hone Detected
341706798-0010		Homogeneous		55% Non-fibrous (Other)	
Soil is a problem matrix	c. Other analytical options are rec	ommended such as EPA 60	0 PLM/TEM with milling prep		
12X	T030GL-WC14	Tan Non-Fibrous		45% Quartz 5% Ca Carbonate	None Detected
341706798-0011		Homogeneous		50% Non-fibrous (Other)	
	c. Other analytical options are rec	•	0 PLM/TEM with milling prep	oo /o real horous (Other)	
13X	T030GL-WC15	Tan	4% Cellulose	40% Quartz	None Detected
•		Non-Fibrous	55	5% Ca Carbonate	20.00.00
341706798-0012		Homogeneous		51% Non-fibrous (Other)	
Soil is a problem matrix	c. Other analytical options are rec	ommended such as EPA 60	0 PLM/TEM with milling prep		

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**ACCUTEST** 



**EMSL Order:** 341706798 **Customer ID:** ACCT51B

Customer PO: Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbe	stos	<u>Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type		
14X	T030GL-WC16	Tan	3% Cellulose	55% Quartz	None Detected		
		Non-Fibrous		5% Ca Carbonate			
341706798-0013		Heterogeneous		37% Non-fibrous (Other)			
Soil is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep							

(b) (6) boratory Director

Analyst(s)

Jessicka Lopez (8)

Timothy Kleehammer (5)

boratory Direction or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

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